SONY

DIGITAL VIDEOCASSETTE RECORDER

DVW-500 DVW-500 DVW-A500/1 DVW-500/1

ANALOG COMPOSITE DECODER BOARD BKDW-505

AUDIO PROGRAM PLAY BOARD **BKDW-507**

PARALLEL (50P) INTERFACE KIT **BKDW-509**

CONTROL PANEL EXTENSION KIT **BKDW-510**

CONTROL PANEL CASE **BKDW-511**

CONTROL PANEL **BKDW-514**

CONTROL PANEL **BKDW-515**



MAINTENANCE MANUAL Part 2 Volume 4 1st Edition (Revised 6)

⚠警告

このマニュアルは、サービス専用です。

お客様が、このマニュアルに記載された設置や保守、点検、修理などを行うと感電や火災、 人身事故につながることがあります。

危険をさけるため、サービストレーニングを受けた技術者のみご使用ください。

⚠ WARNING

This manual is intended for qualified service personnel only.

To reduce the risk of electric shock, fire or injury, do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so. Refer all servicing to qualified service personnel.

⚠ WARNUNG

Die Anleitung ist nur für qualifiziertes Fachpersonal bestimmt.

Alle Wartungsarbeiten dürfen nur von qualifiziertem Fachpersonal ausgeführt werden. Um die Gefahr eines elektrischen Schlages, Feuergefahr und Verletzungen zu vermeiden, sind bei Wartungsarbeiten strikt die Angaben in der Anleitung zu befolgen. Andere als die angegeben Wartungsarbeiten dürfen nur von Personen ausgeführt werden, die eine spezielle Befähigung dazu besitzen.

AVERTISSEMENT

Ce manual est destiné uniquement aux personnes compétentes en charge de l'entretien. Afin de réduire les risques de décharge électrique, d'incendie ou de blessure n'effectuer que les réparations indiquées dans le mode d'emploi à moins d'être qualifié pour en effectuer d'autres. Pour toute réparation faire appel à une personne compétente uniquement.

DVW-A500 (J)	Serial No. 10001 and Higher
DVW-A500 (UC)	Serial No. 10001 and Higher
DVW-500 (J)	Serial No. 10001 and Higher
DVW-500 (UC)	Serial No. 10001 and Higher
DVW-A500/1 (J)	Serial No. 50001 and Higher
DVW-A500/1 (UC)	Serial No. 50001 and Higher
DVW-500/1 (J)	Serial No. 50001 and Higher
DVW-500/1 (UC)	Serial No. 50001 and Higher
BKDW-505	Serial No. 10001 and Higher
BKDW-507	Serial No. 10001 and Higher
BKDW-509	Serial No. 10001 and Higher
BKDW-510	
BKDW-511	
BKDW-514	Serial No. 10001 and Higher
BKDW-515	Serial No. 10001 and Higher

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2 DVW-A500/500

このマニュアルについて

本書の目的

本書は下記対象機種のメンテナンスマニュアルです。

対象機種

VTR: DVW-A500, DVW-500, DVW-A500/1, DVW-500/1, DVW-A510,

DVW-510, DVW-CA510

オプション: BKDW-505, BKDW-507, BKDW-509, BKDW-510, BKDW-511,

BKDW-514, BKDW-515

本書は部品レベルでのサービスを前提とした情報 (調整要項, マウント図, 回路図, 詳

細パーツリスト等)を記載しています。

構成

本書の構成を理解していただくために、全章の概略を以下に説明します。

メンテナンスマニュアル パート2 Volume 4

Section 1 Schematic Diagrams for Recorder

レコーダ本体の回路図を掲載しています。

Section 2 Schematic Diagram for Optional Boards

レコーダ用オプションボードの回路図を掲載しています。

(BKDW-505/507/509/514/515)

(続く)

DVW-A500/500 3 (J)

構成 (続き)

メンテナンスマニュアル パート2 Volume 1	第1章 第2章 第3章 第4章 第5章	サービスインフォメーション 機構部品交換要項 テープ走行系調整 電気調整のための一般情報 電気調整要項 – VTR 編ー 電気調整要項 – オプションボード編ー
メンテナンスマニュアル パート2 Volume 2	Section 1 Section 2 Section 3 Section 4 Section 5 Section 6	Parts Information Exploded Views Electrical Parts List for VTR Electrical Parts List for Optional Boards Packing Materials and Supplied Accessories List Optional Fixtures List
メンテナンスマニュアル パート2 Volume 3	Section 1 Section 2 Section 3	Board Layouts Schematic Diagrams — Frame Wiring — Semiconductor Pin Assignments
メンテナンスマニュアル パート2 Volume 5	Section 1 Section 2	Schematic Diagrams for Player Schematic Diagram for Optional Boards
メンテナンスマニュアル パート 1*1	第第第第第第第第第第第第第章章章章章章章章章章章章章章章章章章章章章章章	サービスインフォメーション フォーマット概説 ブロックダイヤグラムおよび回路概説 故障診断 メンテナンスモード 電源および基板の交換 定期点検および保守 定期保守部品の交換 スペアパーツ

*1: メンテナンスマニュアル パート 1 には、レコーダ用 (DVW-A500/500) とプレーヤ用 (DVW-A510/510/CA510) があります。

4 (J) DVW-A500/500

Manual Structure

Purpose of this manual

This manual is maintenance manual of the following products.

Product

VTR: DVW-A500, DVW-500, DVW-A500/1, DVW-500/1, DVW-

A510, DVW-510, DVW-CA510

Optional equipments: BKDW-505, BKDW-507, BKDW-509, BKDW-510,

BKDW-511, BKDW-514, BKDW-515

This manual describes the information items (adjustment, board layouts, schematic diagrams, detailed parts list, etc.) that premise the service based on the component parts.

Contents

The following is a summary of all the sections for understanding the contents of this manual.

Maintenance Manual Part 2, Volume 4

Section 1 Schematic Diagrams for Recorder

Describes the schematic diagrams of the recorder.

Section 2 Schematic Diagram for Optional Boards

Describes the schematic diagrams of the optional boards for recorder. (BKDW-505/507/509/514/515)

(continue)

DVW-A500/500 3 (E)

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Maintenance Manual Part 2, Volume 1	Section 1 Section 2 Section 3 Section 4 Section 5 Section 6	Service Overview Replacement of Mechanical Parts Tape Path Alignment Electrical Alignment Overview Electrical Alignment for VTR Electrical Alignment for Optional Boards
Maintenance Manual Part 2, Volume 2	Section 1 Section 2 Section 3 Section 4 Section 5 Section 6	Parts Information Exploded Views Electrical Parts List for VTR Electrical Parts List for Optional Boards Packing Materials and Supplied Accessories List Optional Fixtures List
Maintenance Manual Part 2, Volume 3	Section 1 Section 2 Section 3	Board Layouts Schematic Diagrams – Frame Wiring – Semiconductor Pin Assignments
Maintenance Manual Part 2, Volume 5	Section 1 Section 2	Schematic Diagrams for Player Schematic Diagram for Optional Boards
Maintenance Manual Part 1*1	Section 1 Section 2 Section 3 Section 4 Section 5 Section 6 Section 7 Section 8 Section 9	Service Overview Recording Format, Head Configuration, and Signal Processing Block Diagrams and Circuit Descriptions Error Messages and Troubleshooting Maintenance Mode Replacement of Power Block and Circuit Boards Periodic Maintenance and Inspection Replacement of Periodic Maintenance Parts Spare Parts

^{*1:} There are two types manual for Maintenance Manual Part 1: Recorder (DVW-A500/500) and player (DVW-A510/CA510).

4 (E) DVW-A500/500

Section 1 Schematic Diagrams for Recorder

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-DUS-XXX BOARD-

The DUS-XXX board is added to supplement the function of main board.

```
DUS-194 (CUE-1;
                   1-648-537-31)
         (CUE-1A; 1-648-537-21)
DUS-679 (TBC-23; 1-648-543-11, 12)
DUS-680 (EQ-45A; 1-648-536-11)
DUS-682 (EQ-45A; 1-648-536-11)
DUS-687 (SS-52;
                   1-648-535-21)
         (SS-52A; 1-648-535-11)
DUS-690 (VPR-1;
                   1-648-532-11)
DUS-691 (VPR-1;
                   1-648-532-11)
DUS-694 (SS-52;
                   1-648-535-21)
                   1-648-535-11)
         (SS-52A;
DUS-706 (DPR-36; 1-648-533-11)
DUS-708 (DPR-36; 1-648-533-11)
DUS-709 (EQ-45;
                   1-648-536-22)
         (EQ-45A; 1-648-536-11, 12)
DUS-710 (DM-89;
                   1-648-541-11, 12)
         (VPR-1;
                   1-648-532-13)
DUS-711 (EQ-45;
                   1-648-536-22)
         (EQ-45A; 1-648-536-11, 12)
                   1-648-533-11)
DUS-712 (DPR-36;
DUS-723 (CUE-1A; 1-648-537-21)
DUS-727 (DM-89;
                   1-648-541-12)
DUS-728 (FP-58;
                   1-648-551-11)
DUS-741 (DR-200;
                   1-648-559-12)
DUS-769 (VPR-1;
                   1-648-532-12)
DUS-840 (VPR-1;
                   1-648-532-14)
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Note

The \triangle -marked components are critical to safety. Replace only with same components as specified.

注意

▲印の部品は安全性を維持するために重要な部品です。 従って交換するときは必ず指定の部品を使ってください。

DVW-A500/500 1-1

Circuit Function

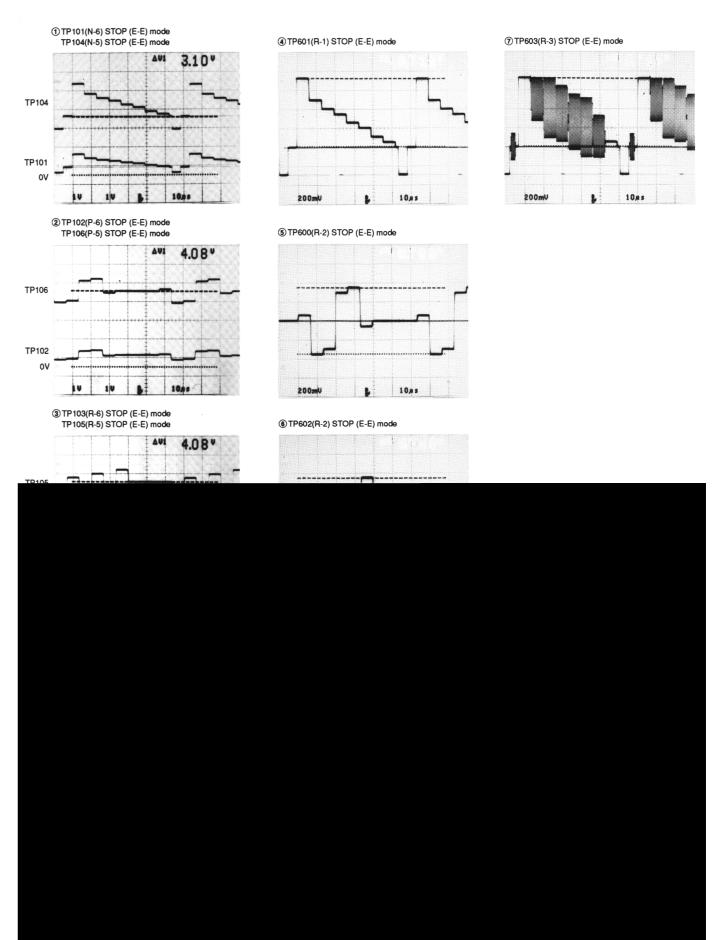
Circuit Function of Printed Circuit Board

System configuration	Board name	Circuit Function	
Digital process	VPR-1	Video signal processor, A/D, D/A, Reference clock generator, Composite encoder	
	APR-1	Audio signal processor, A/D, D/A, AES/EBU interface	
	DIF-16 (inc. VI-2)	4:2:2 component serial digital I/O interface with Embedded audio	
	DPR-36	Digital data processor (Encode/Decode, Error correction)	
RF, Analog process	EQ-45A (DVW-A500)	RF equalizer (REC current control, PB EQ), Betacam PB buffer	
	EQ-45 (DVW-500)	RF equalizer (REC current control, PB EQ)	
	CUE-1A (DVW-A500)	CUE REC/PB, LTC REC/PB, and LAU PB circuits, CUE/LTC/FULL erase OSC	
	CUE-1 (DVW-500)	CUE REC/PB and LTC REC/PB circuits, CUE/LTC/FULL erase OSC	
Betacam playback	DM-89	RF demodulator	
(DVW-A500)	TBC-24	TBC (A/D conversion & Write clock generate blocks)	
	TBC-23	TBC (Sequence & Reference blocks)	
	AP-28	AFM demodulator & LAU noise reduction	
System/servo control	SS-52A (DVW-A500)	System, Servo, Analog/Digital DT control	
	SS-52 (DVW-500)	System, Servo, Digital DT control	
	DT-34	DT driver	
	DR-307/200	Motors driver (Drum, Capstan, T/S reels, Threading, Reel shift, Cassette up/down), Solenoids driver (Pinch, T/S brake, Cleaning), Degaussing head driver	
Mech.deck driver/sensor	CCM-15	Threading motor/Reel shift motor	
	PD-35	Pinch solenoid connection	
	PTC-54	Threading FG	
	PTC-59	Cassette's tabs sensor	
	PTC-71	Reel position sensor	
	RM-82	T/S reel motor	
	RM-141	T reel motor	
	SE-228	T/S reel FG	
	TR-78	S tension sensor	
	TR-79	T tension sensor, Thread/unthread end sensor	
Cassette compartment	CL-29	Cassette up/down motor, Cassette down sensor	
driver/sensor	LP-81	Lamp of cassette comparatment	
	PC-70	Cassette-in sensor, Cassette size sensor	

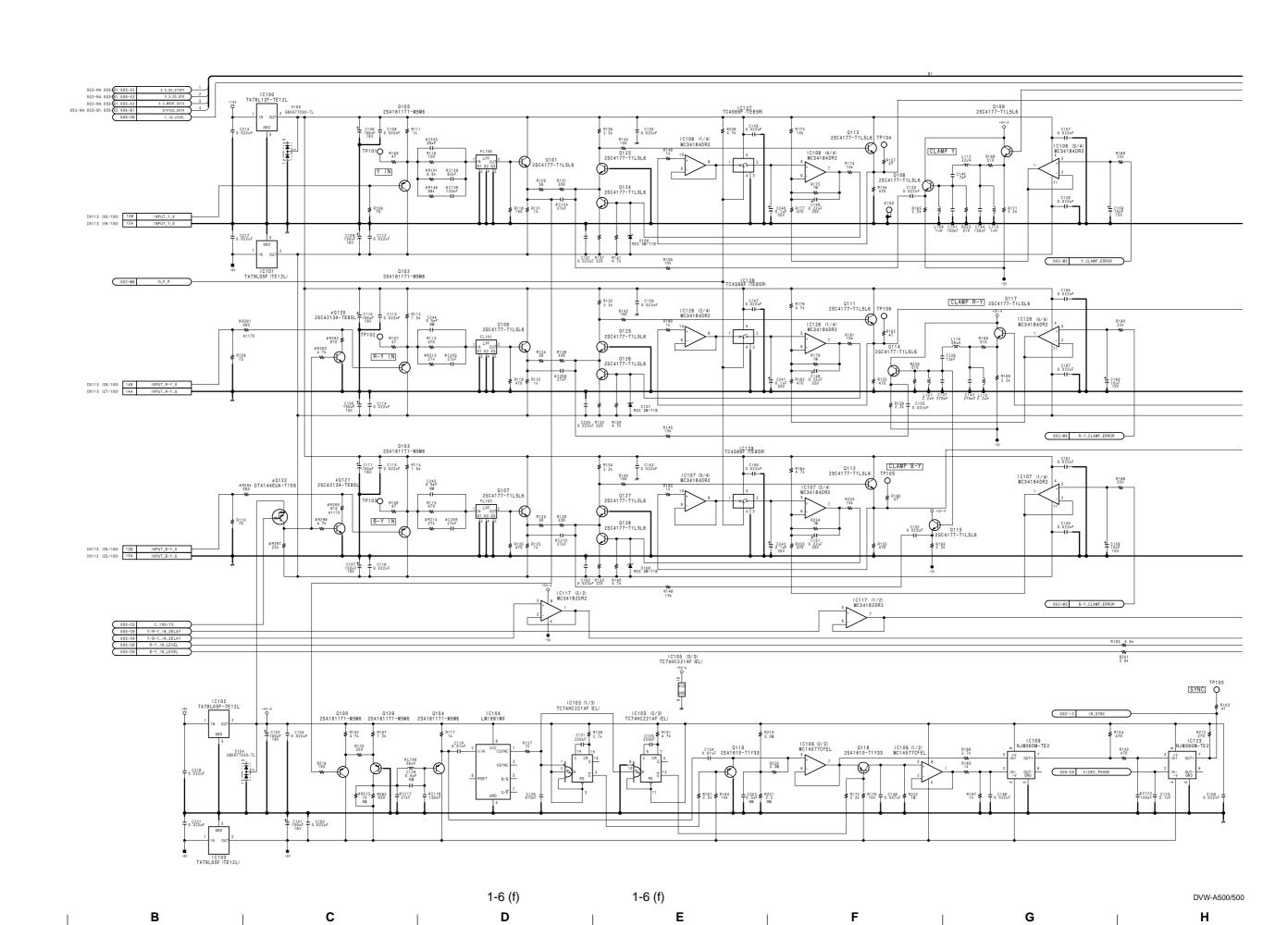
1-2 DVW-A500/500

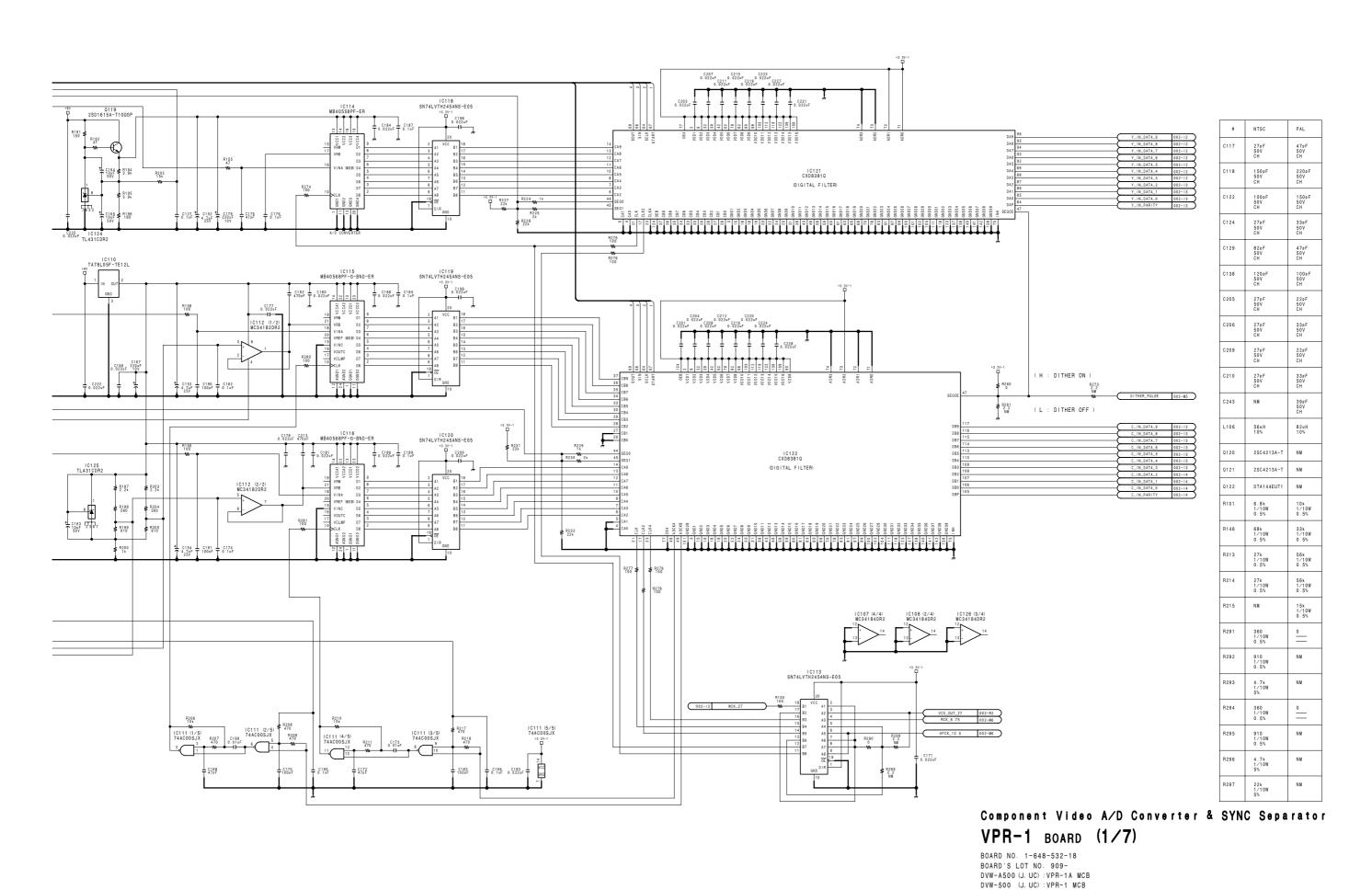
System	n configuration	Board name	Circuit Function	
Front panel function		FP-58	Sub control panel and Upper panel function (SWs, LEDs) control, CAV control level conversion	
		VR-152	Audio REC and Phone level RVs, Phone connector	
		VR-153	Audio PB level RVs	
		SWC-17	Upper panel function (SWs, LEDs)	
		SWC-18	Sub control panel function	
		SWC-19	System set-up panel function control	
		KY-231	Lower panel function control	
		DP-176	Time counter display	
		PTC-69	Search dial sensor, Dial solenoid connection	
Rear pa	anel function	CP-218	Rear connector board (Analog video) with input/output driver	
		CP-220	Rear connector board (Analog/Digital audio, TC)	
		MB-441	Remote control connectors (CONTROL PANEL, REMOTE 1 IN/OUT, RS232C, VIDEO CONTROL)	
Power		AC-155	AC connector board with breaker	
	SOPS-1042 or	SOPS-1019C	Switching regulator	
	SOPS-1042 (A)	SOPS-1042A	Switching regulator (inc. SOPS-1019C/1042S boards)	
		SOPS-1042B or SOPS-1042D	Switching regulator (AC-DC)	
		SOPS-1042S	Switching regulator	
Other		MB-441	Mother board	
		HN-181	Connection board with REC inhibit sensor (Drum/Capstan/Reel-shift motors, CTI head, DT-34/HN-184/HN-185/PTC-59/PTC-71 boards)	
		HN-184	Connection board (Threading motor, Tape end sensor, PD-35/PTC-54/TR-78 boards)	
		HN-185	Connection board with dew sensor (Tape top sensor, Cassette compartment, TR 79 board, Slip ring)	

DVW-A500/500 1-3 1-3



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DVW-A500/500

1-7 (f)

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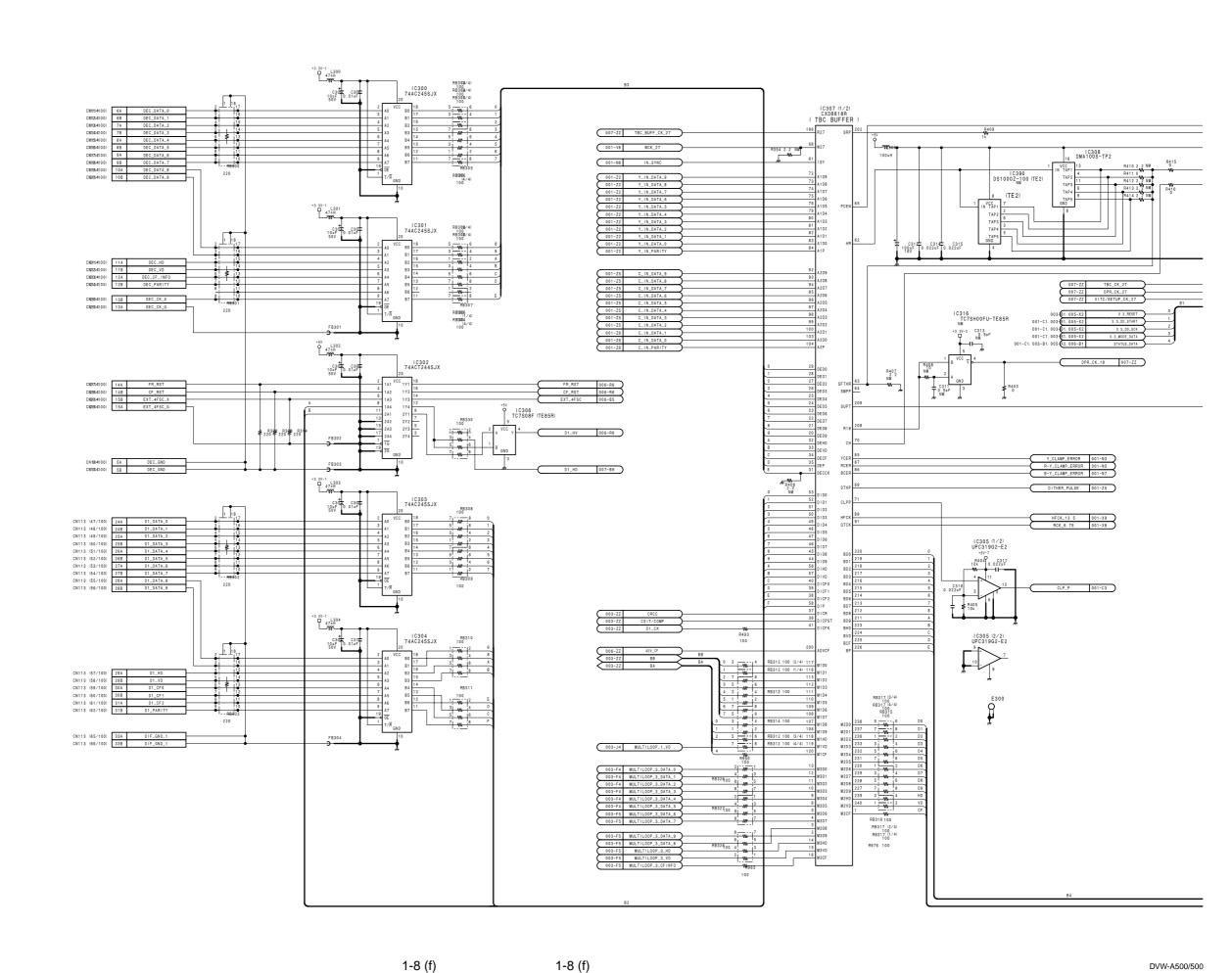
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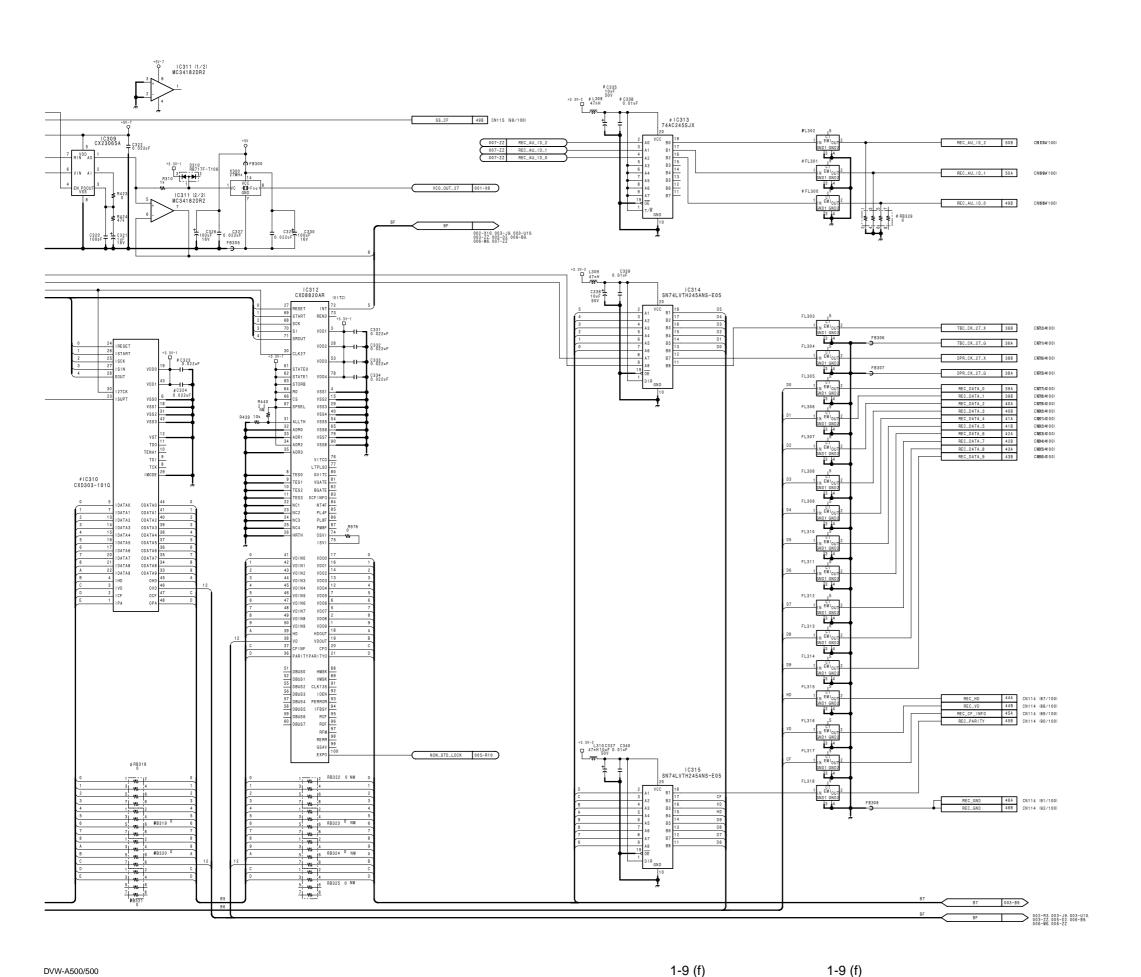
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#	NTSC	PAL
C323	0.022uF 50V B	NM
C324	0.022uF 50V B	NM
C335	10uF 50V	NM
C338	0.01uF 50V B	NM
FL300	123989822	NM
FL301	123989822	NM
FL302	123989822	NM
IC310	CXD303-101	NM
I C 3 1 3	74AC245SJX	NM
L308	47nH 5%	NM
RB318	NM	0
RB319	NM	0
RB320	NM	0
RB321	NM	0
RB329	NM	0

Input Digital Video Data Processor **VPR-1** BOARD (2/7)

BOARD NO. 1-648-532-18 BOARD'S LOT NO. 909-DVW-A500 (J, UC) : VPR-1A MCB DVW-500 (J, UC) : VPR-1 MCB DVW-A500_VPR-1_002_2

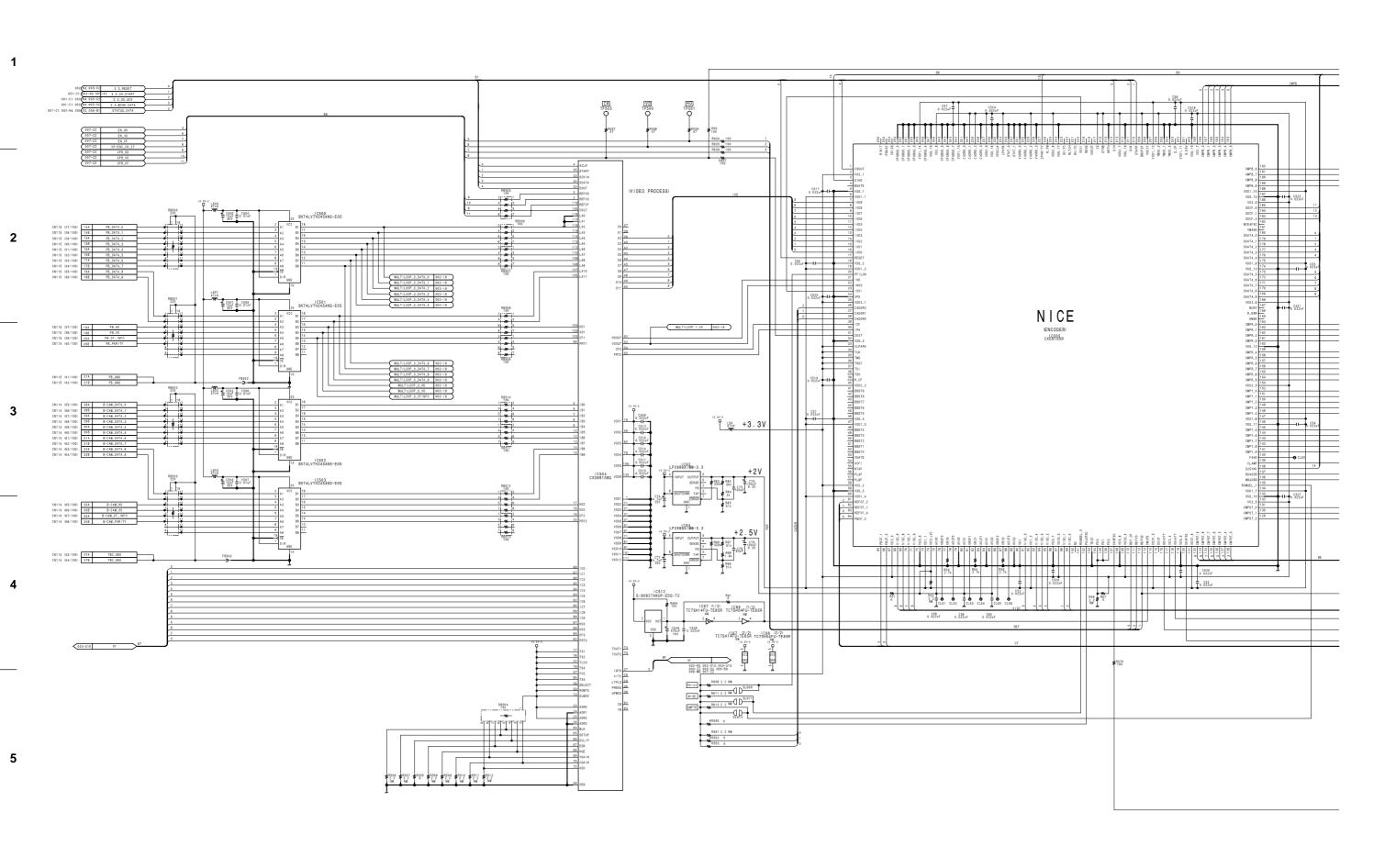
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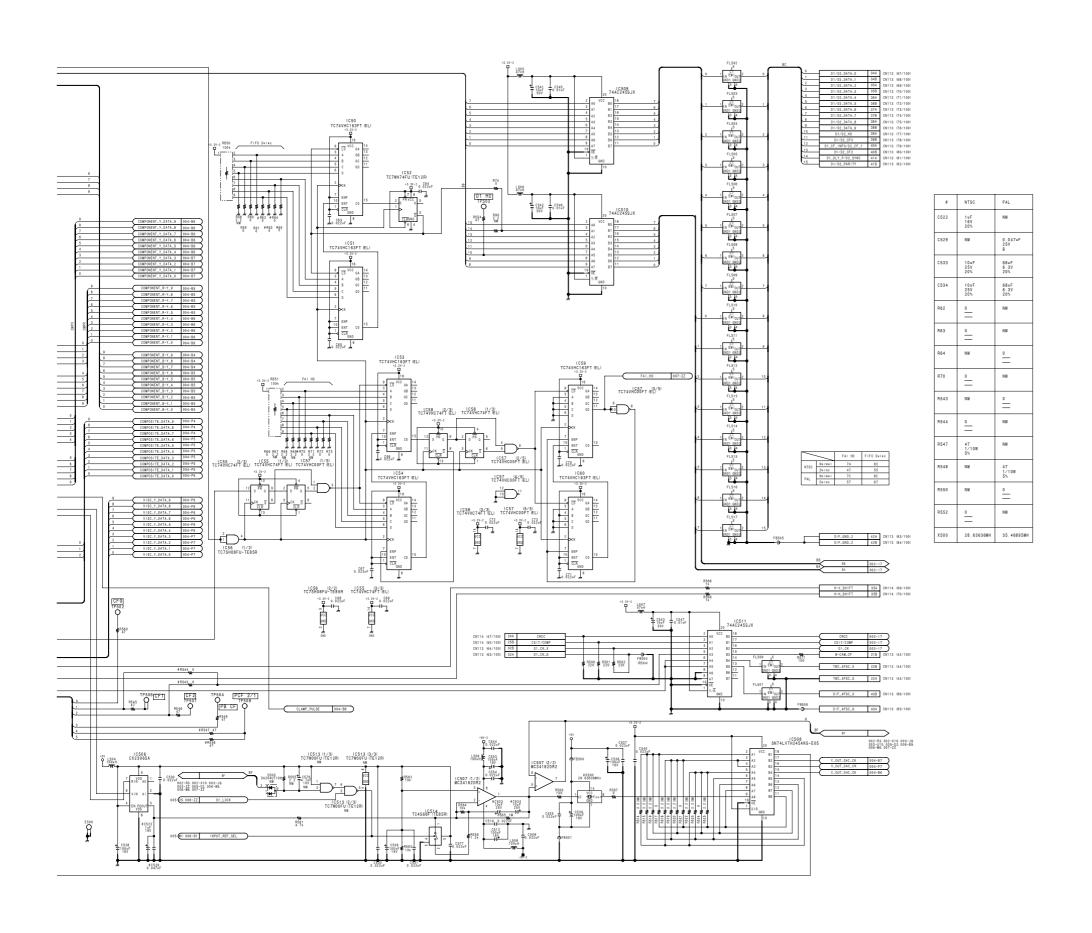
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1-10 (f) 1-10 (f) T-10 (f) T-1



Digital Video Data Encoder
VPR-1 BOARD (3/7)

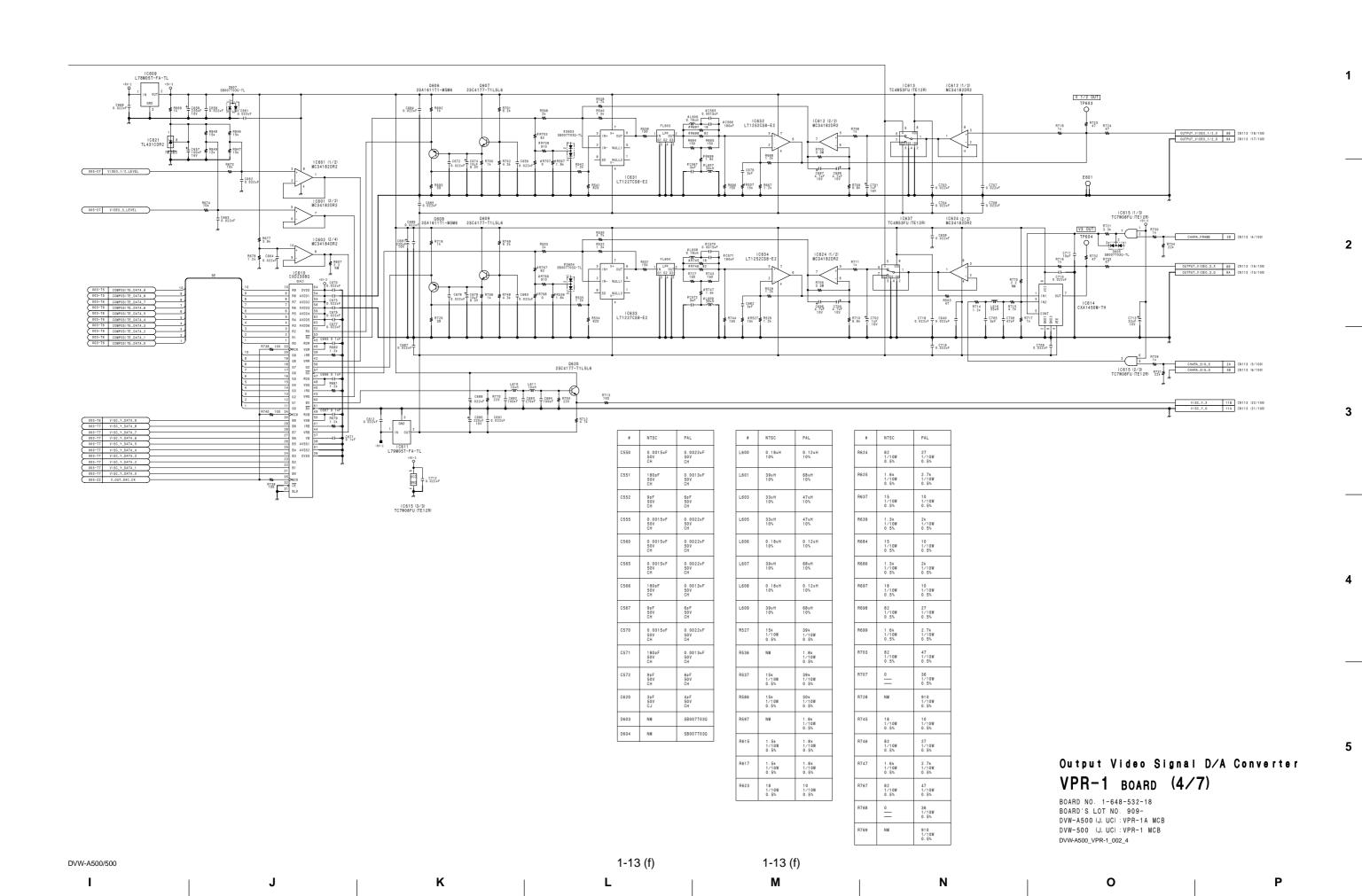
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3

R587 4:7k WA R589 1:3k C651 0.022#F R579 4.7k WA C627 0.5pF NW 11 R581 1.3k T 0.022#F 0.022vF 0.022vF 0.004 2SA1611T1-M5M6 2SC4177-T1L5L6 0.022#F 1C636 TC4W53FU (TE12R) R572 4:7k W-C669 0.5pF NW -1-R574 1:3k C632 0.022uF T R658 R645 3:3M C717 0.022#F SN74LS221NSR I C605 (3/3) SN74LS221NSR

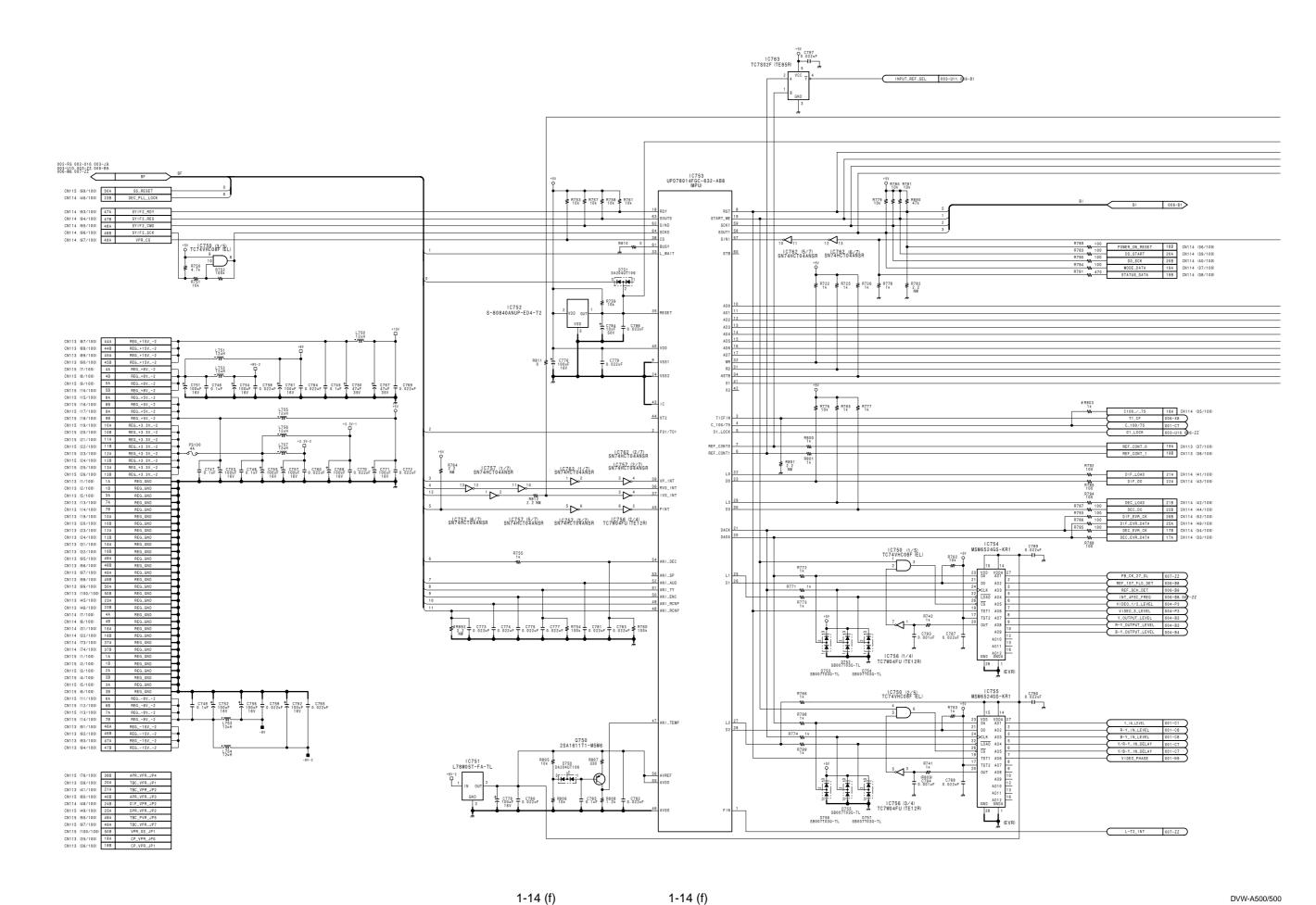
1-12 (f) 1-12 (f) 1-12 (f) DVW-A500/500 B G H



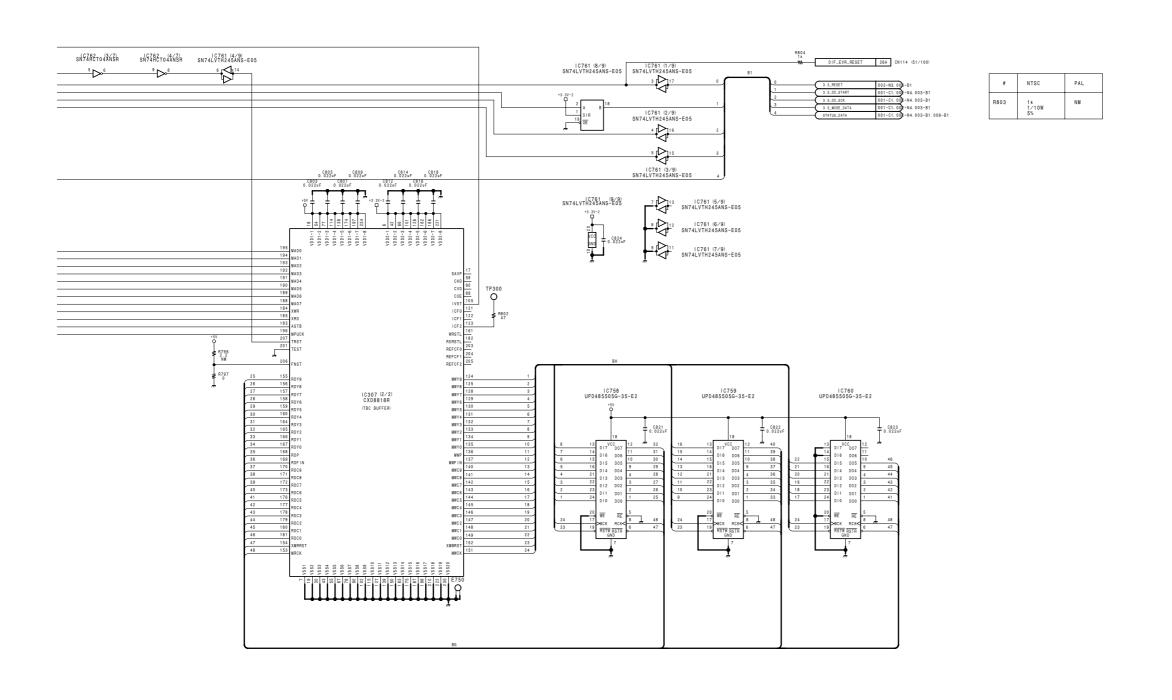
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A | B | C | D | E | F | G | H





Video Process Control
VPR-1 BOARD (5/7)

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BOARD NO. 1-648-532-18 BOARD'S LOT NO. 909-DVW-A500 (J. UC): VPR-1A MCB DVW-500 (J. UC): VPR-1 MCB DVW-A500_VPR-1_002_5

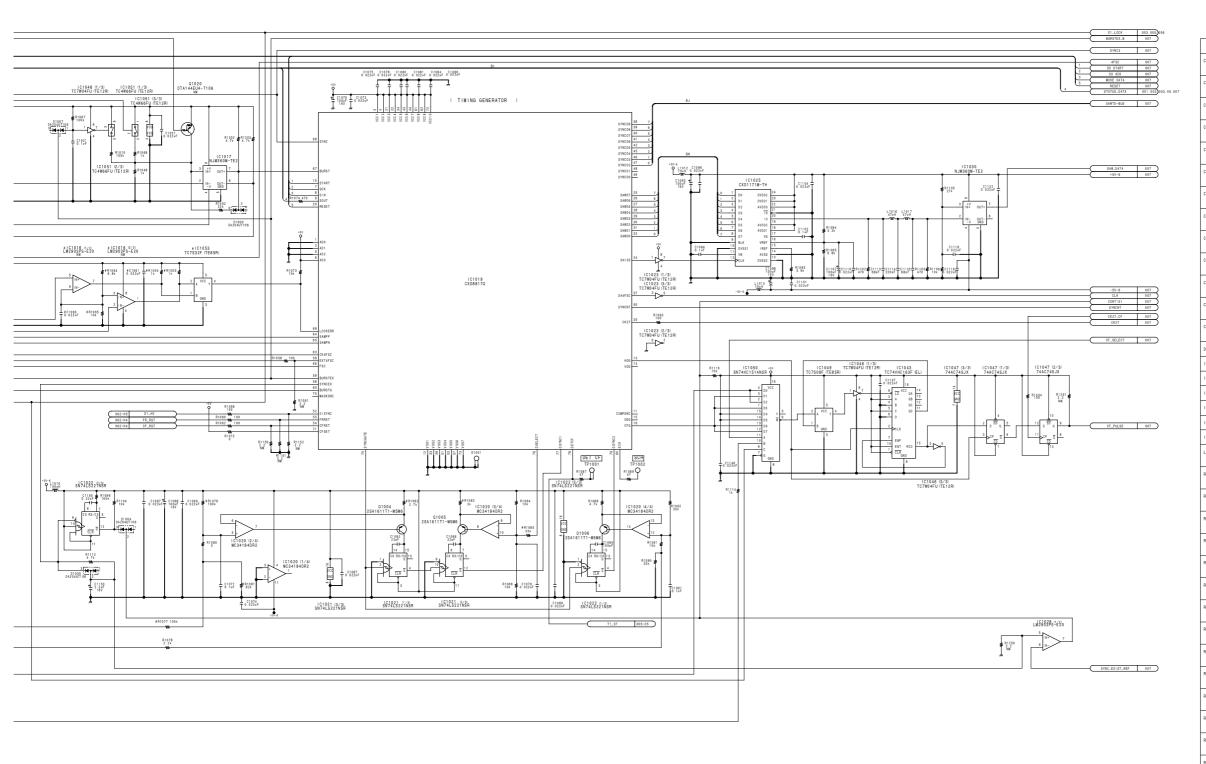
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В

CN115 (77/100) 39A DPR_AU_256FSP_G



	NTSC	PAL
1016	470pF 50V CH	NM
1018	NM	100pF 50V CH
1019	0.1uF 25V F	NM
1024	NM	0.022uF 50V B
1029	NM	0.0047uF 16V
1037	NM	0.0047uF 16V
1047	22pF 50V CH	NM
1049	NM	4.7uF 25V 20%
1050	NM	4.7uF 25V 20%
1060	NM	0.022uF 50V B
1061	NM	0.022uF 50V B
1180	22uF 10V 20%	NM
1181	22uF 10V 20%	NM
1001	DA204UT106	NM
C1003	NM	TC7S86F (TE
C1005	CX23065A	NM
C1006	NM	MC34184DR2
C1016	NM	LM2903PS-E
C1044	NM	MC34182DR2
C1053	NM	TC7S32F (TE
1007	68uH 10%	39 u H 10%
1004	NM	1 k 1/10W 5%
1005	NM	1k 1/10W 5%
1013	NM	0
1014	0	NM
1017	NM	0
1018	0	NM
1022	NM	1 - 2k 1/10W 5%
1023	1 k 1/10W 5%	NM
1026	100 k 1/10W 5%	NM
1027	NM	1M 1/10W 5%
1032	NM	10k 1/10W 0-5%
1035	NM	10k 1/10W 0-5%

100k 1/10W 5%

100k 1/10W

Time Ref Signal (1) VPR-1 BOARD (6/7)

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BOARD NO. 1-648-532-18 BOARD'S LOT NO. 909-DVW-A500 (J. UC) :VPR-1A MCB DVW-500 (J. UC) :VPR-1 MCB

DVW-A500_VPR-1_002_6

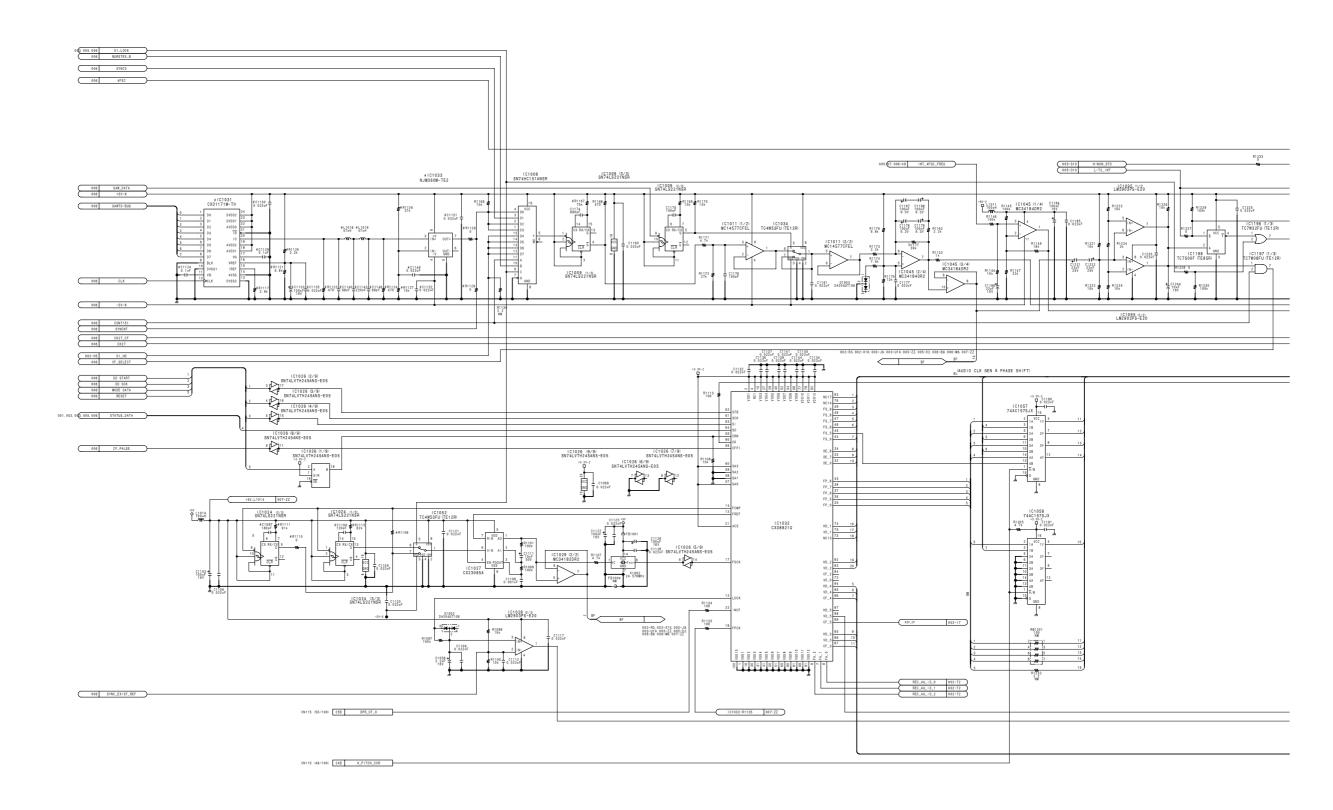
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1-17 (f) 1-17 (f) DVW-A500/500 Κ M Ν

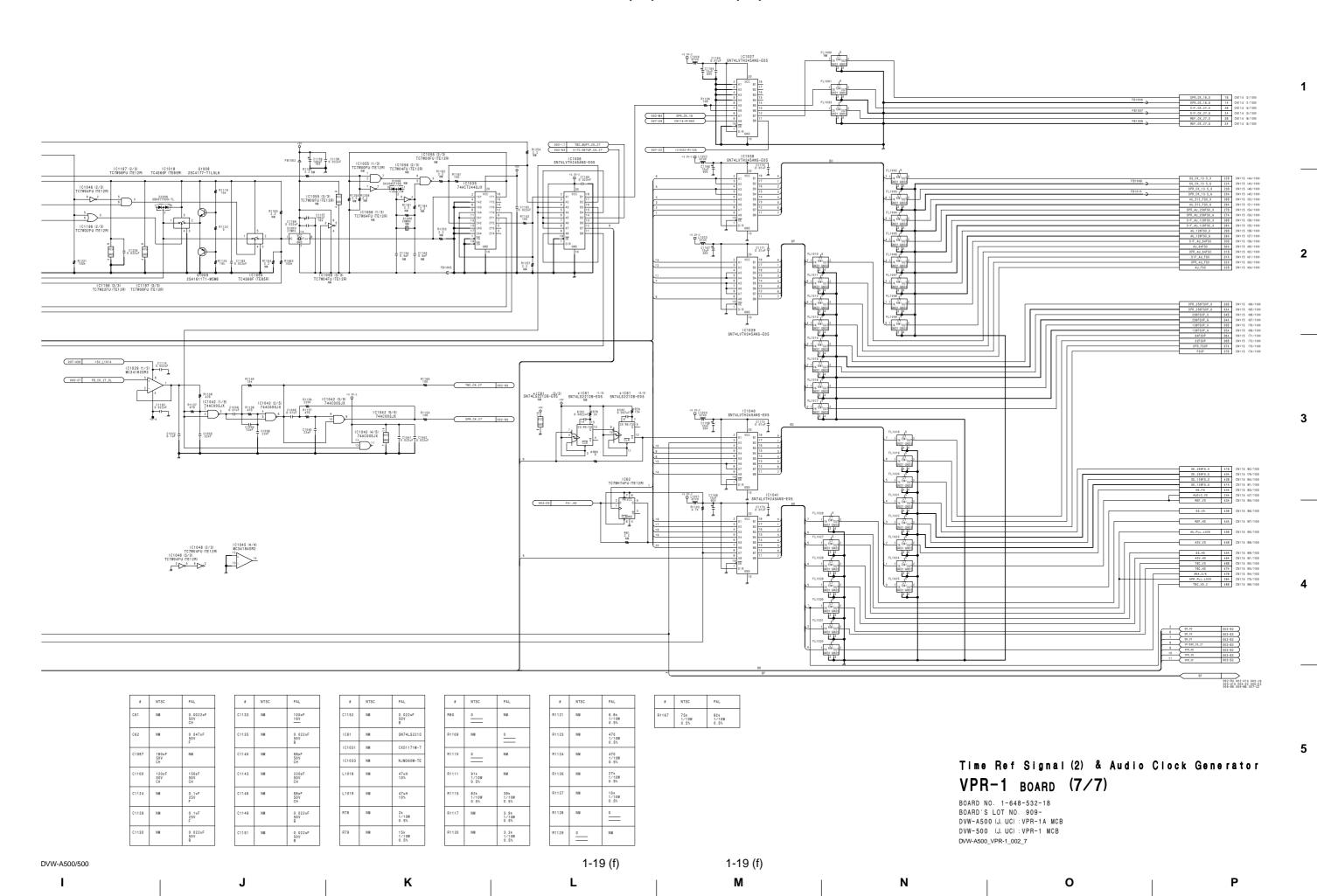
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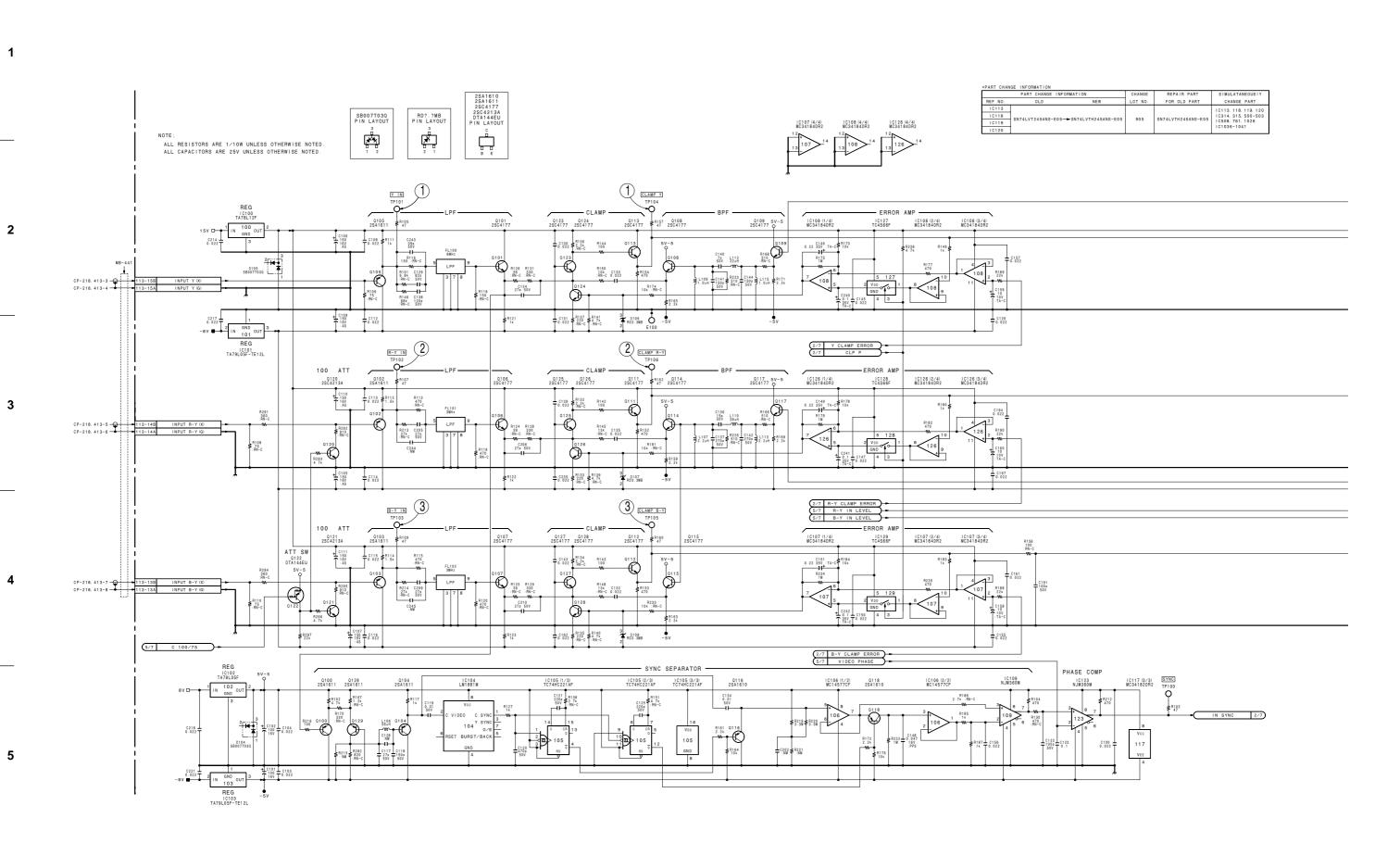
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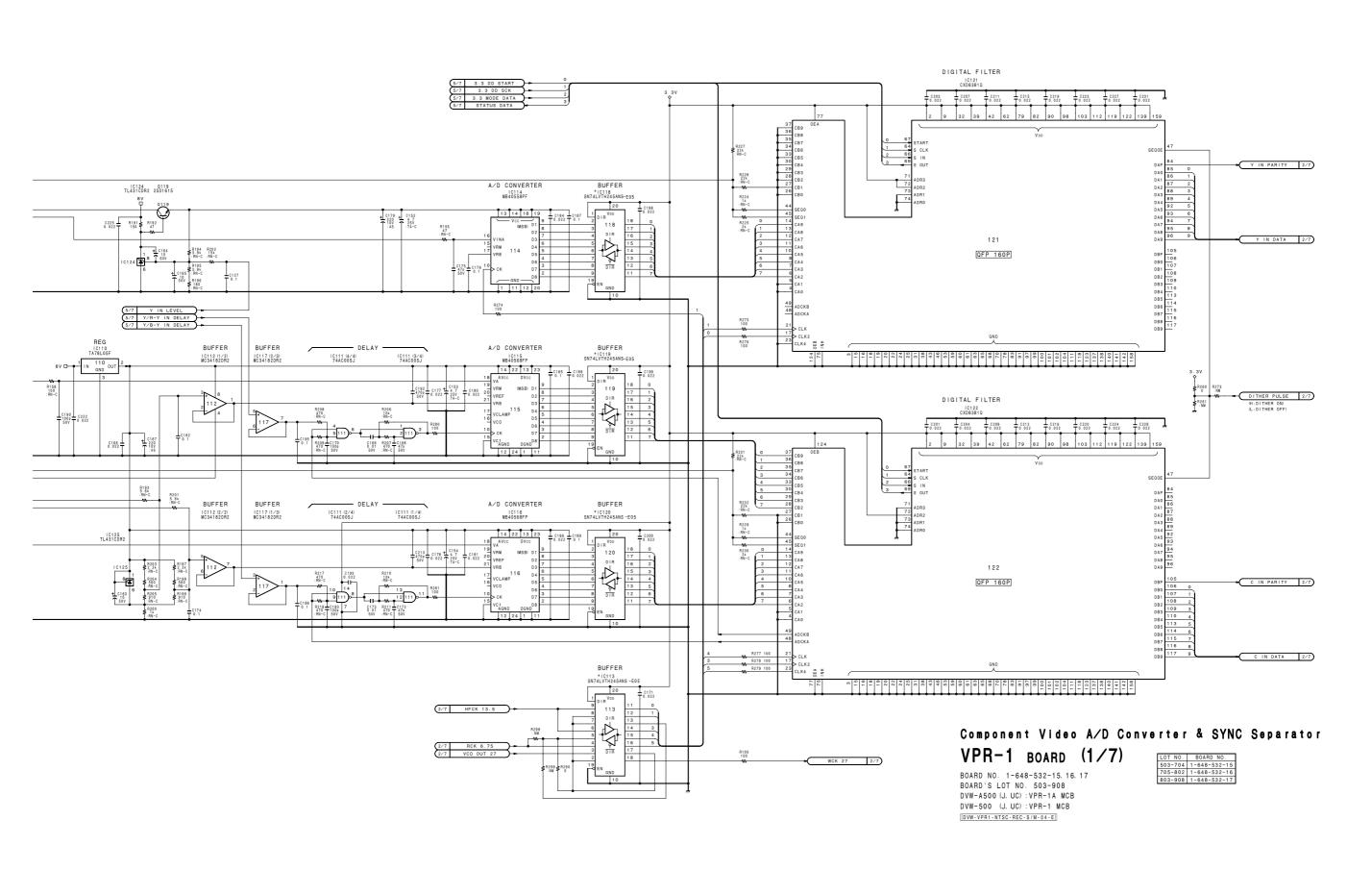


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| J

DVW-A500/500

Κ

L

1-7 (e)

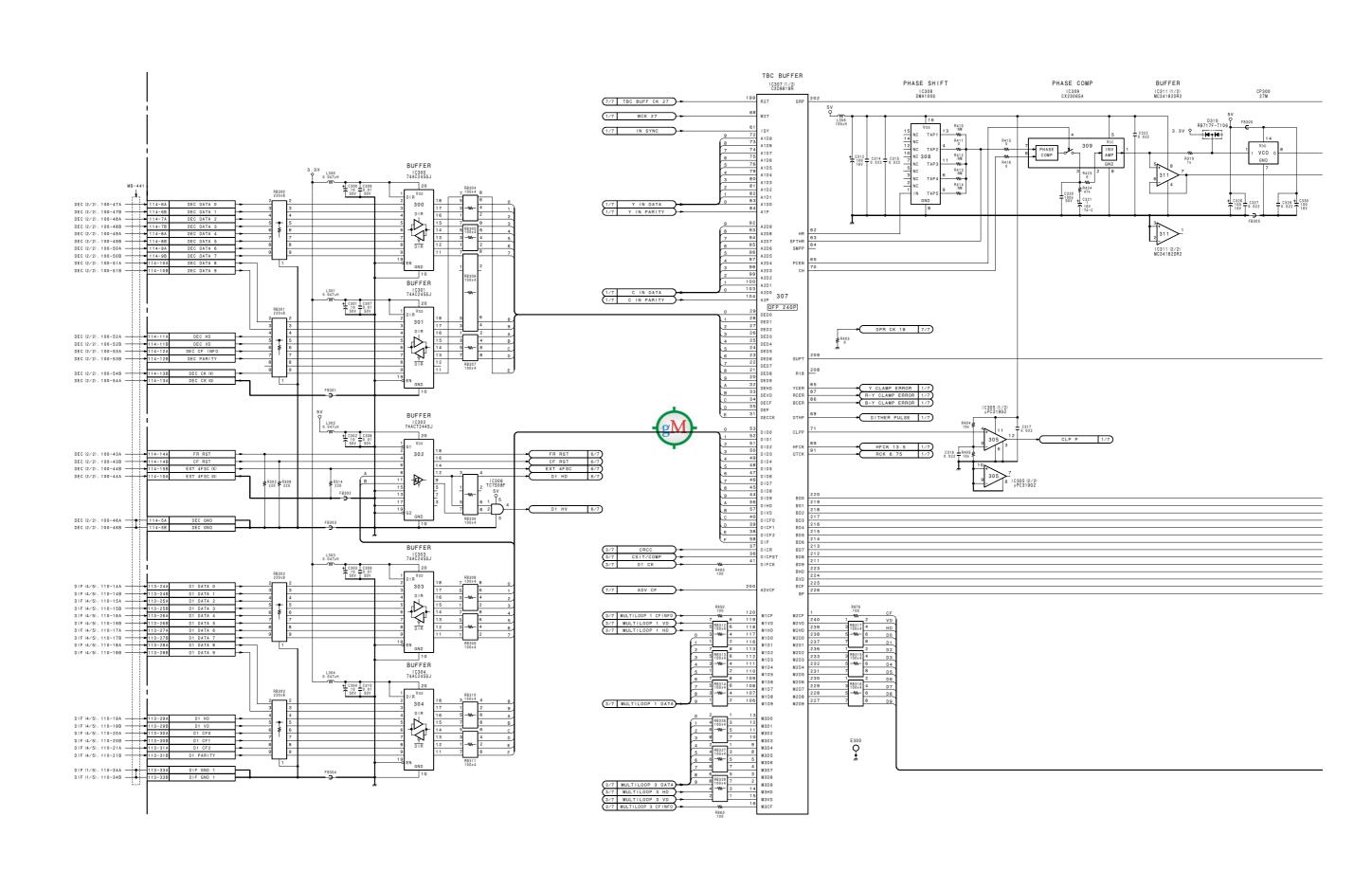
M

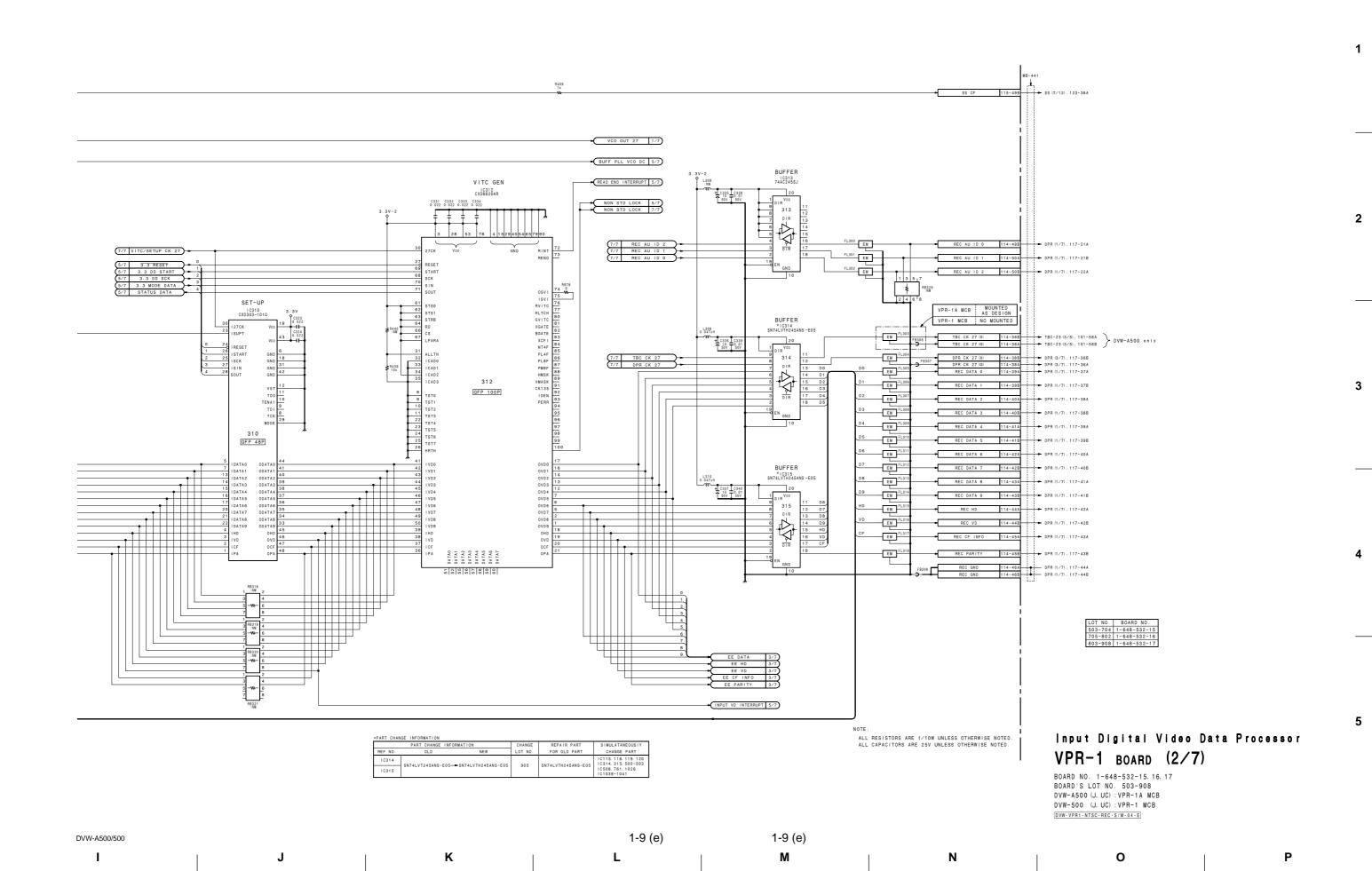
1-7 (e)

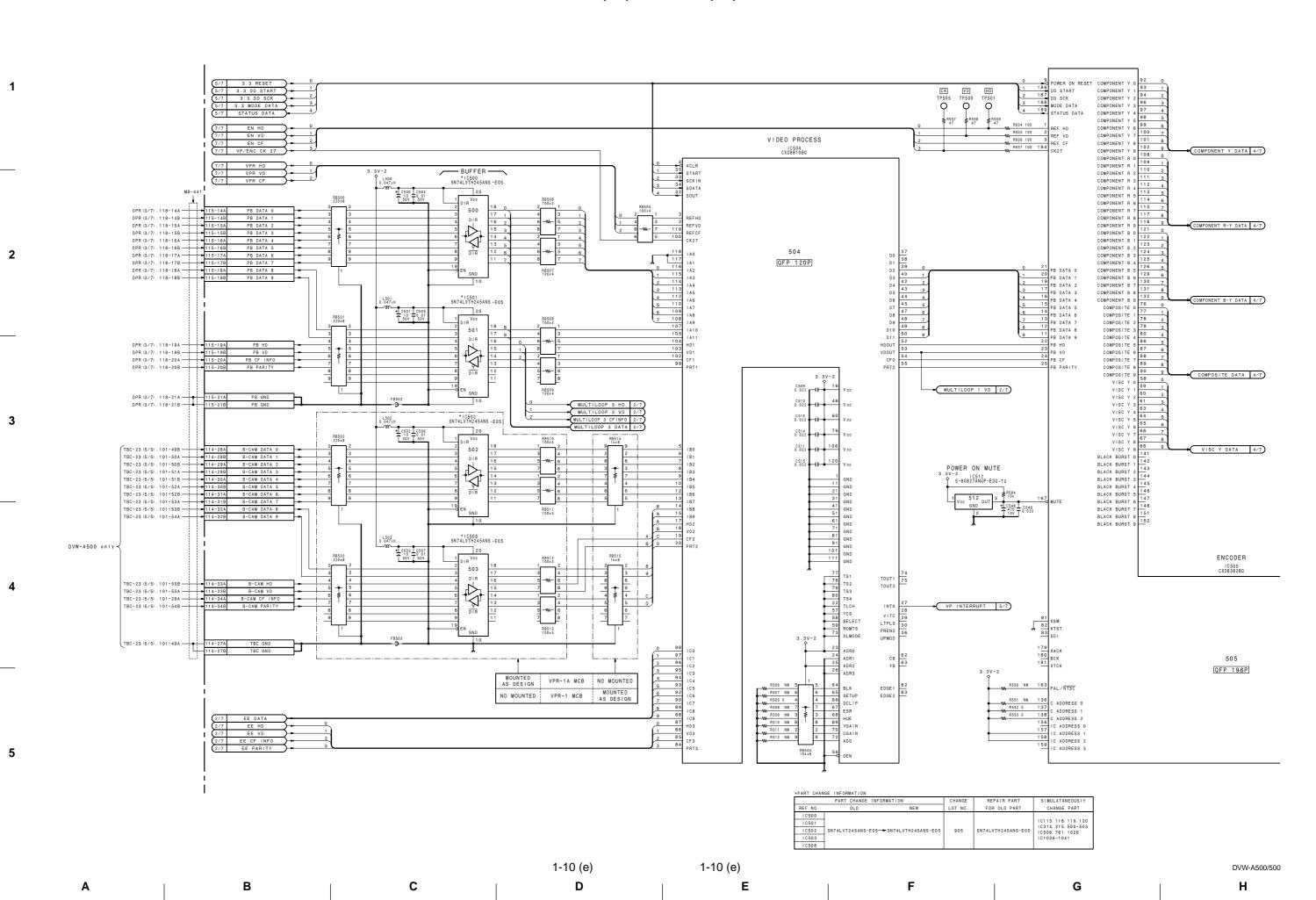
N

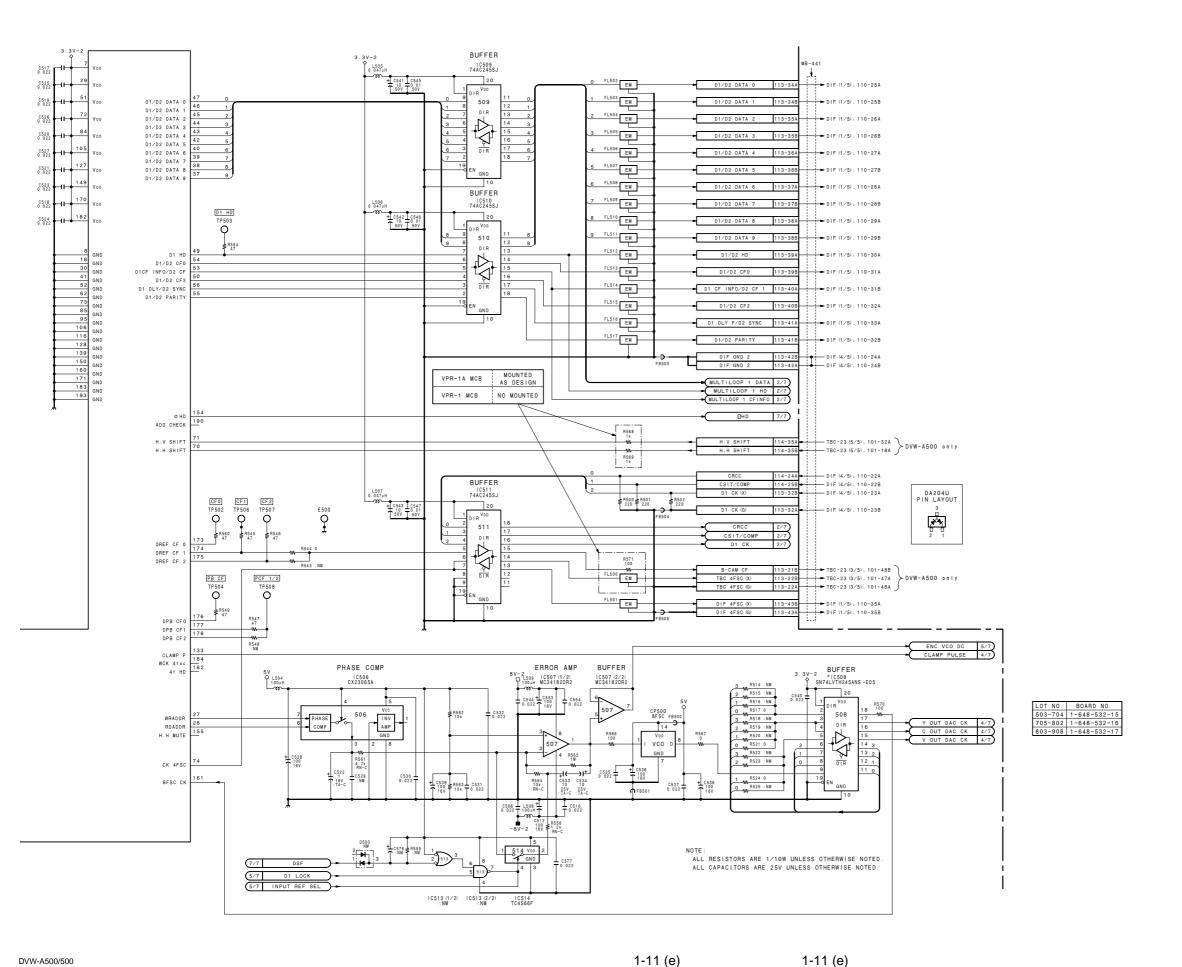
0

F









4

Digital Video Data Encoder
VPR-1 BOARD (3/7)

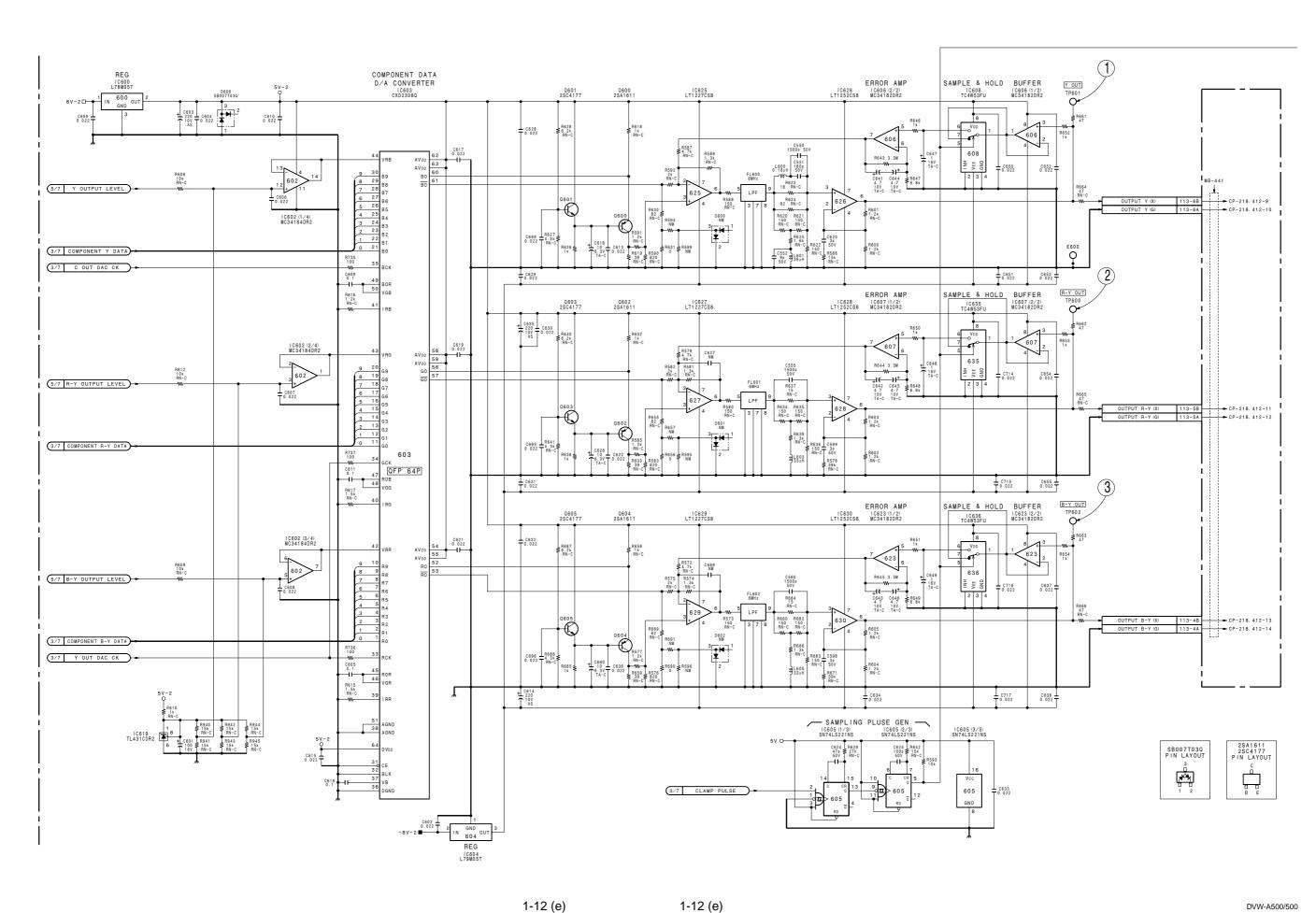
BOARD NO. 1-648-532-15. 16, 17 BOARD'S LOT NO. 503-908 DVW-A500 (J, UC) : VPR-1A MCB DVW-500 (J, UC) : VPR-1 MCB DVW-VPR1-NTSC-REC-S/M-04-E

I J K L M N J O J P

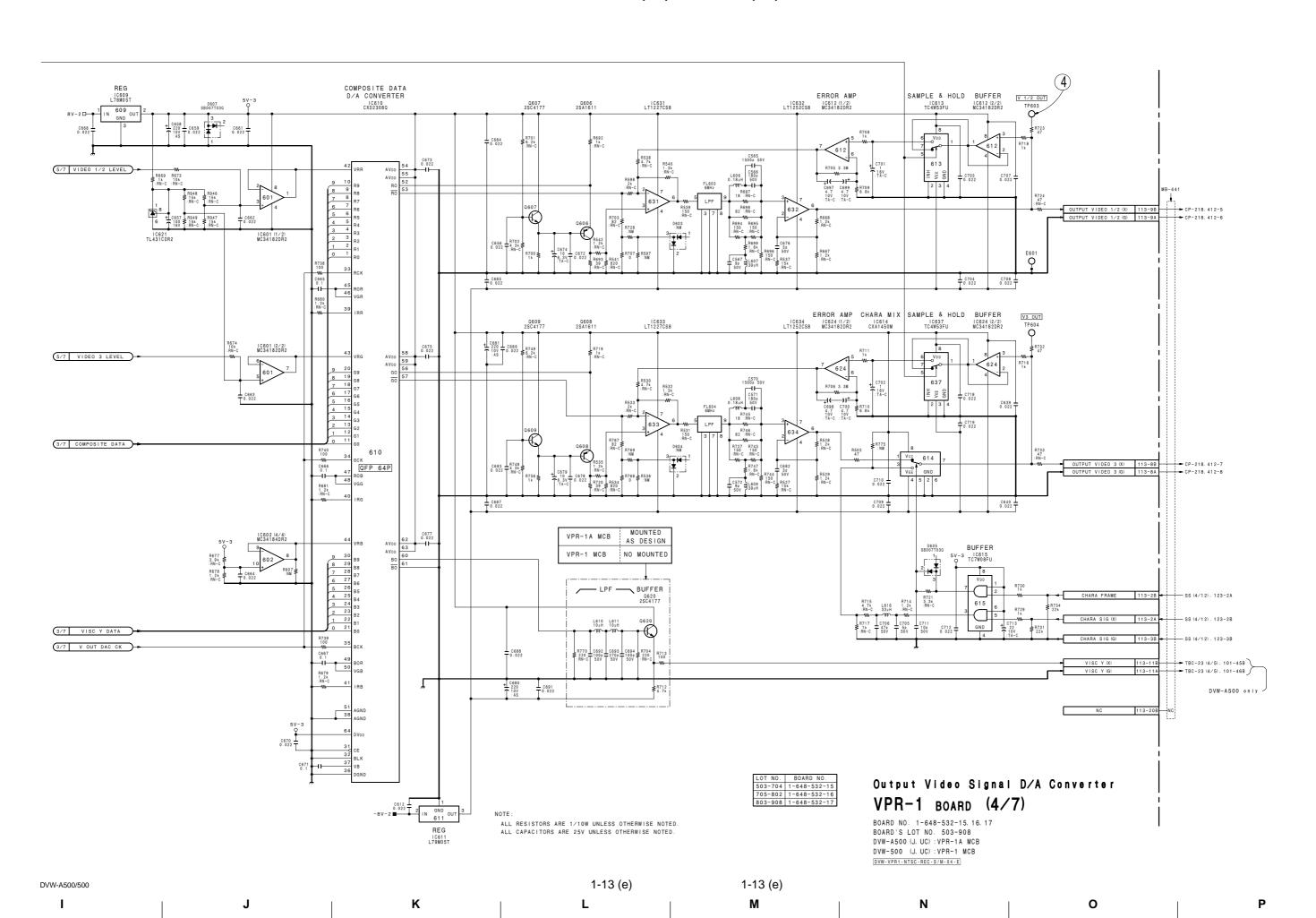
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A | B | C | D | E | F | G | H

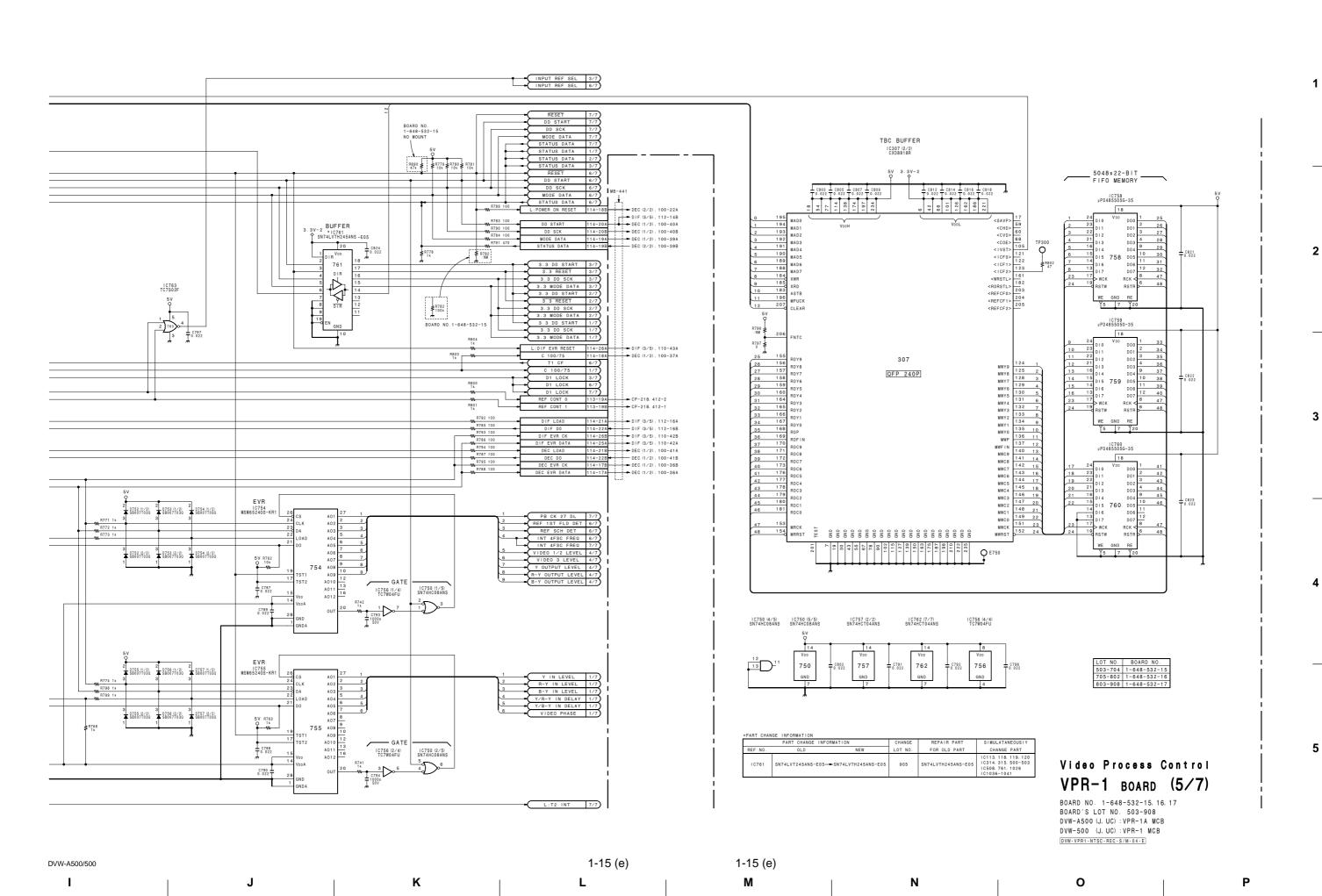


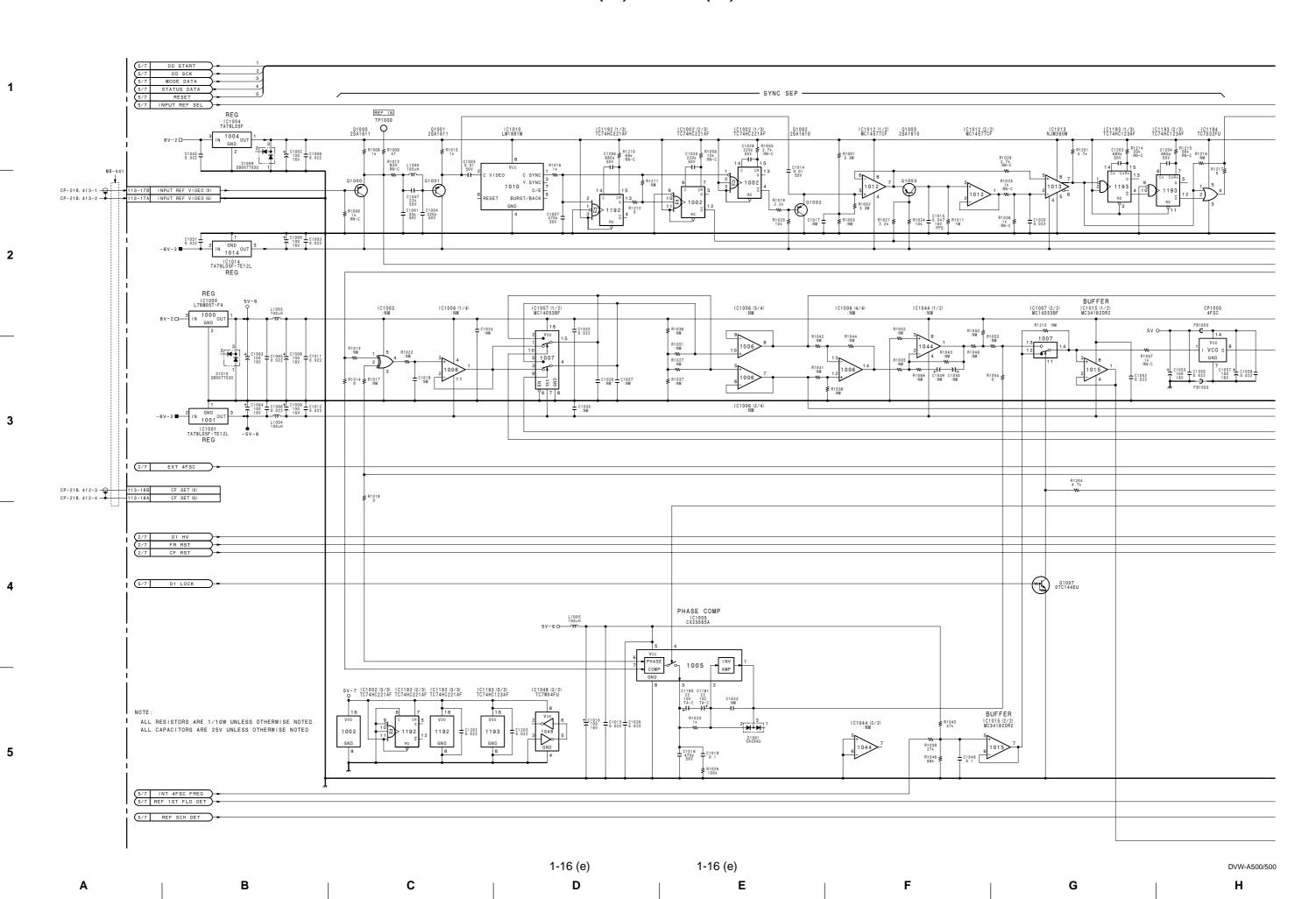
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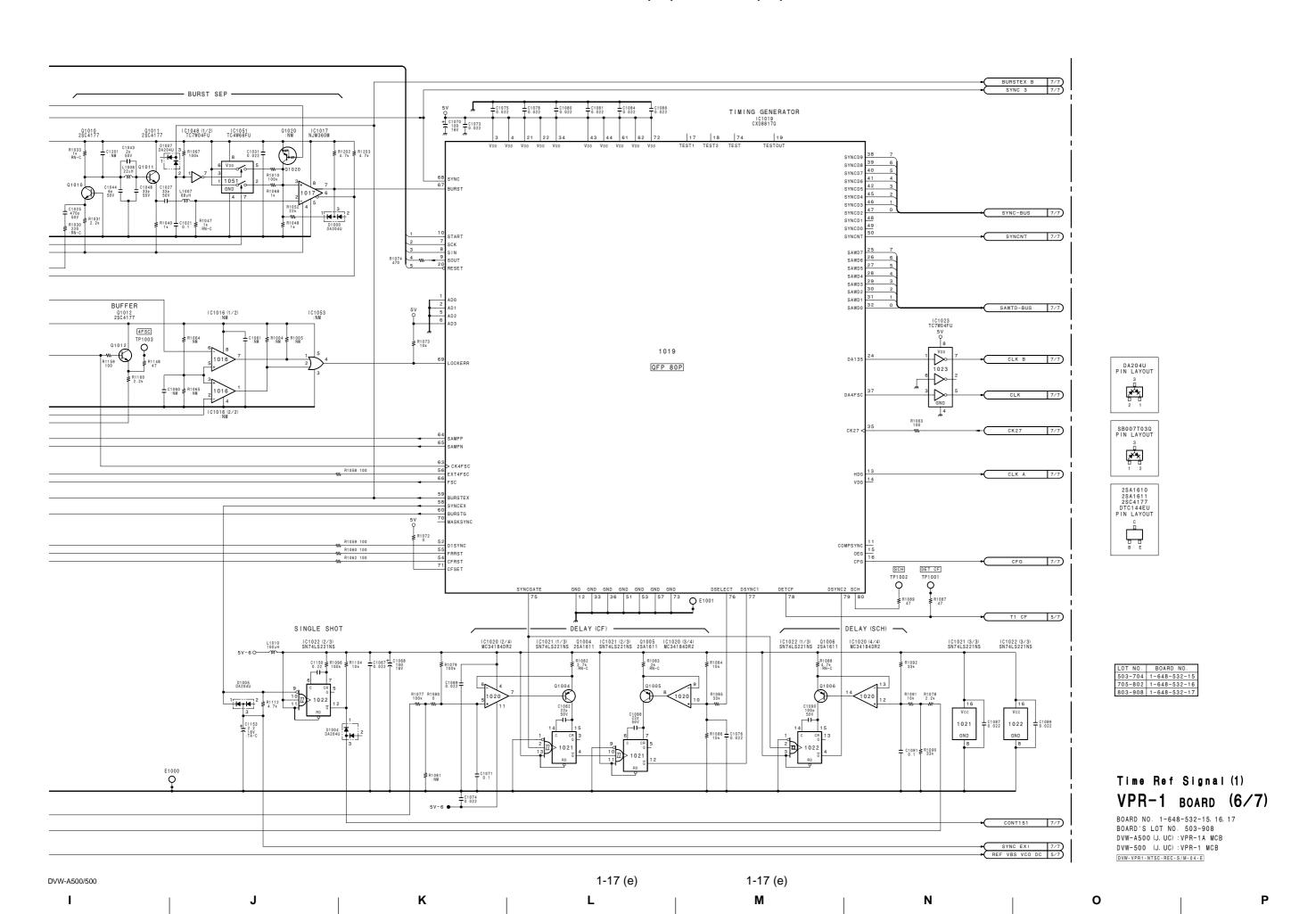
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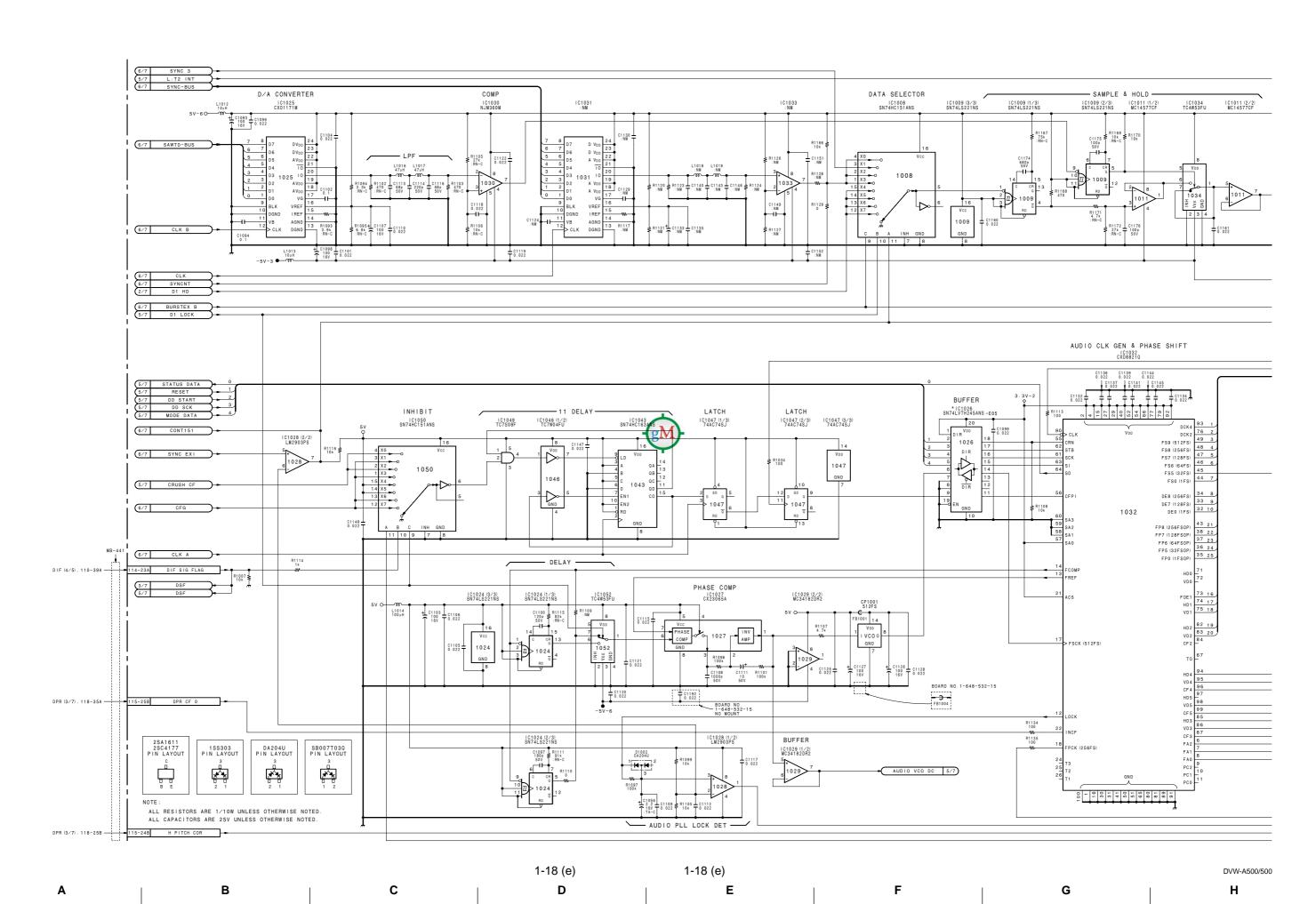
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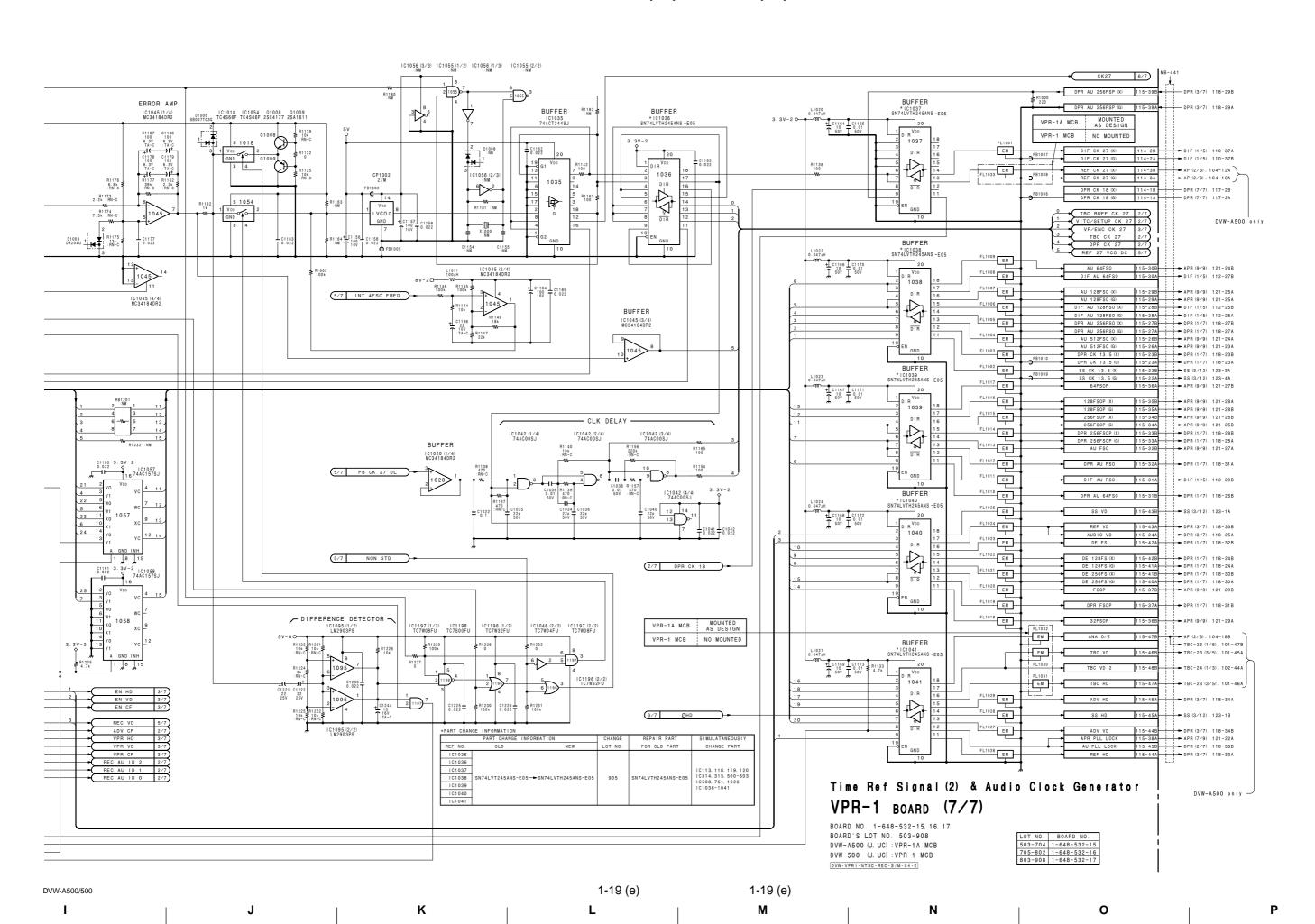
8-BIT MPU ΙC753 μPD78014FGC-632 -AB8 IC762 (5/7) IC762 (6/7) SN74HCT04ANS SN74HCT04ANS 5 6 9 8 8 B MB-441 BOARD R753 R757 R758 R761 15V-2 -SS (3/12), 122-12A SS (3/12), 122-12B SS (3/12), 122-13A SS (3/12), 122-13B START (P51) 10 12 13 SS (3/12) . 122-14A -(P02) CS IC762 (3/7) IC762 (4/7) SN74HCT04ANS SN74HCT04ANS C746 + C751 + C754 C758 0.1 1 160 160 T0.022 L755 12µH POWER ON RESET 1C752 S-80840ANUP-ED4-T2 PS100 125V + c755 + c757 c760 Λ 753 QFP 64P TICFIN (P32 DEC (2/2), 100-148 -14-23B DEC PLL LOCK C 100/75 (P33) D1 LOCK (P34) 7/7 CRUSH CF IC762 (1/7) SN74HCT04ANS IC762 (2/7) SN74HCT04ANS REF CONTO (P36 (INTPO) RVD INT DO (P55 L3 (P62) IC756 (3/4) TC7W04FU (AN17) DEC DADA (P52 (AN16) SP (AN15) AUD (AN14) TY 7/7 AUDIO VCO DC 2/7 BUFF PLL VCO DC 3/7 ENC VCO DC 7/7 REF 27 VCO DC (AN13) ENC (AN12) RCNP 7/7 REF VBS VCO DC (AN11) RCMP L1 (P56) D1 (P57) +L c752 +L c762 L c765 T 160 T 160 T 0.022 (AN10) TEMP DPR (3/7), 118-26A -___ MEASURE TEMP ____ TBC-24 (3/3), 102-46A 11: TBC-24 (3/3), 102-47A 11: TBC-24 (3/3), 102-43A 11: TBC-24 (3/3), 102-45A 11: SS (5/12), 123-38B 11: L2 (P60) D2 (P61) SB007T03Q PIN LAYOUT DU204U PIN LAYOUT 2SA1611 PIN LAYOUT FIN (P30) 2 1 1 2 ALL RESISTORS ARE 1/10W UNLESS OTHERWISE NOTED. ALL CAPACITORS ARE 25V UNLESS OTHERWISE NOTED.



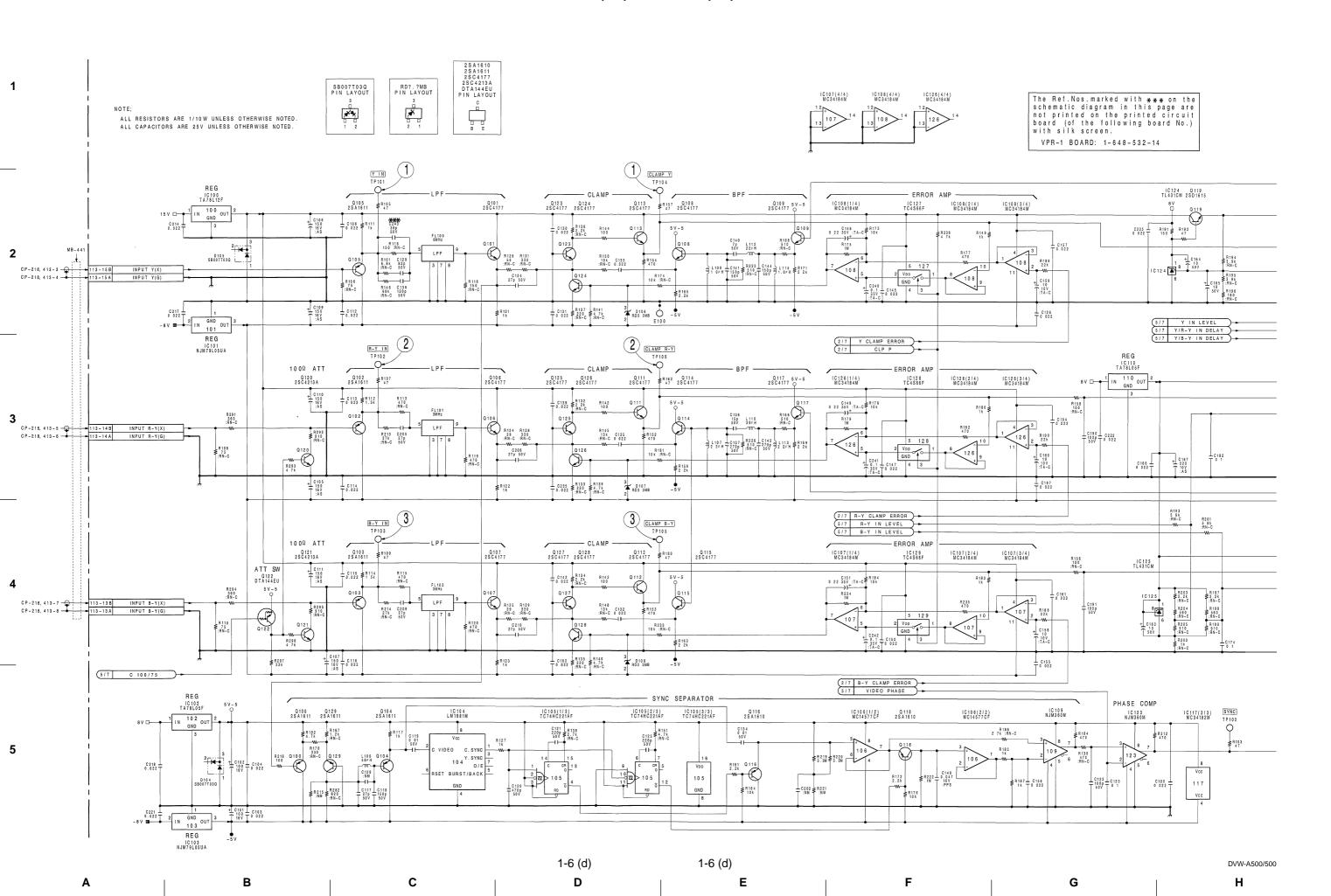


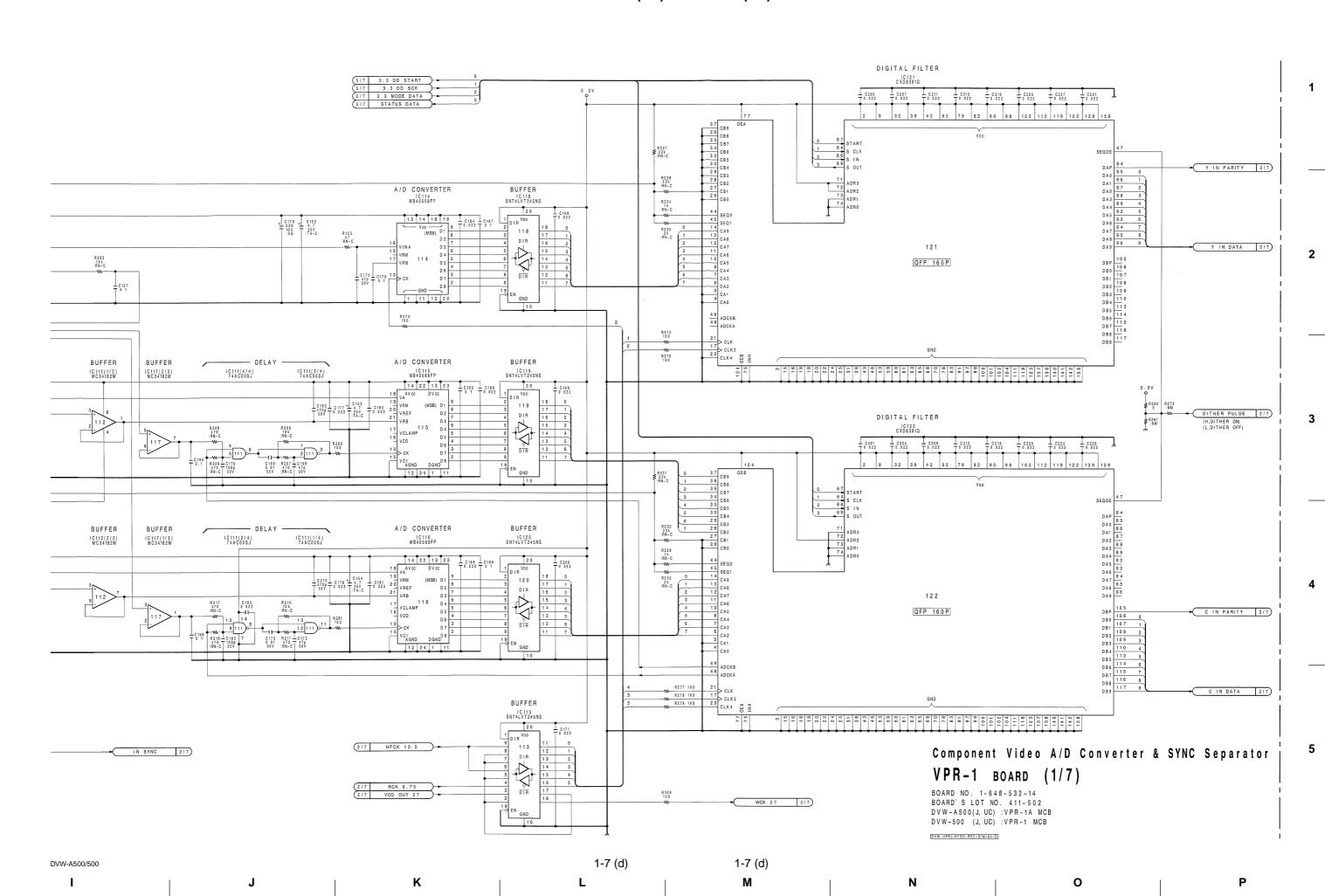


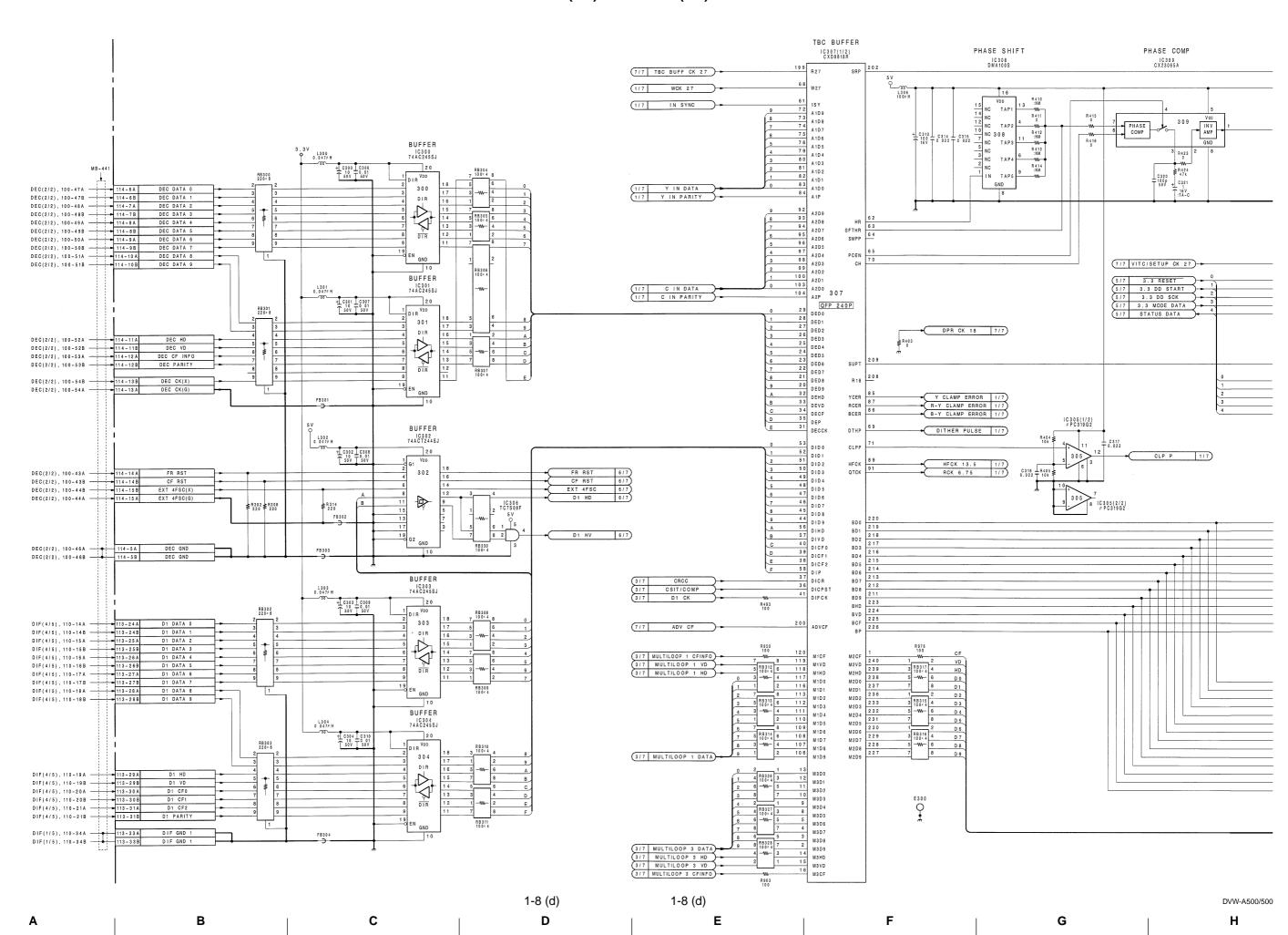


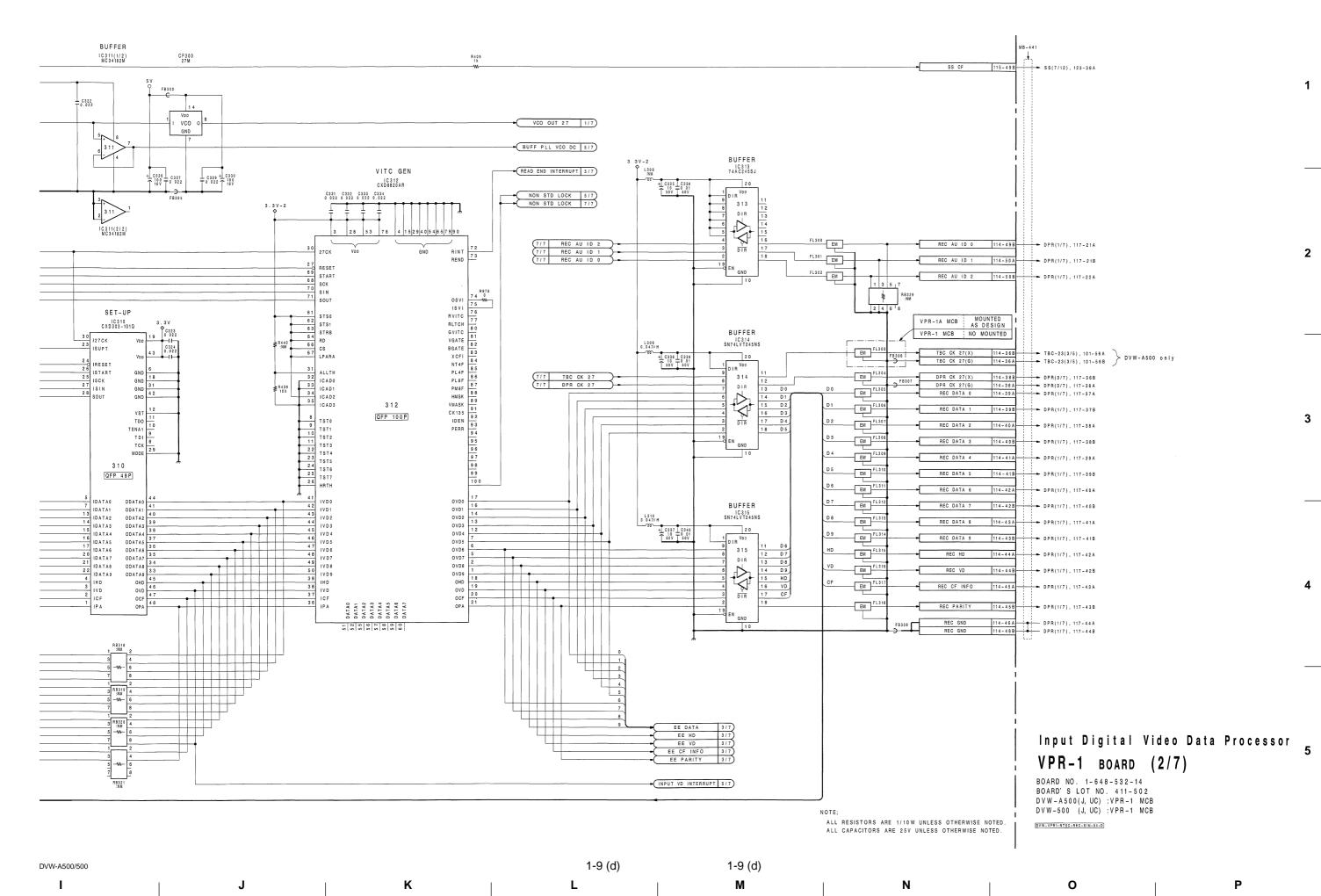


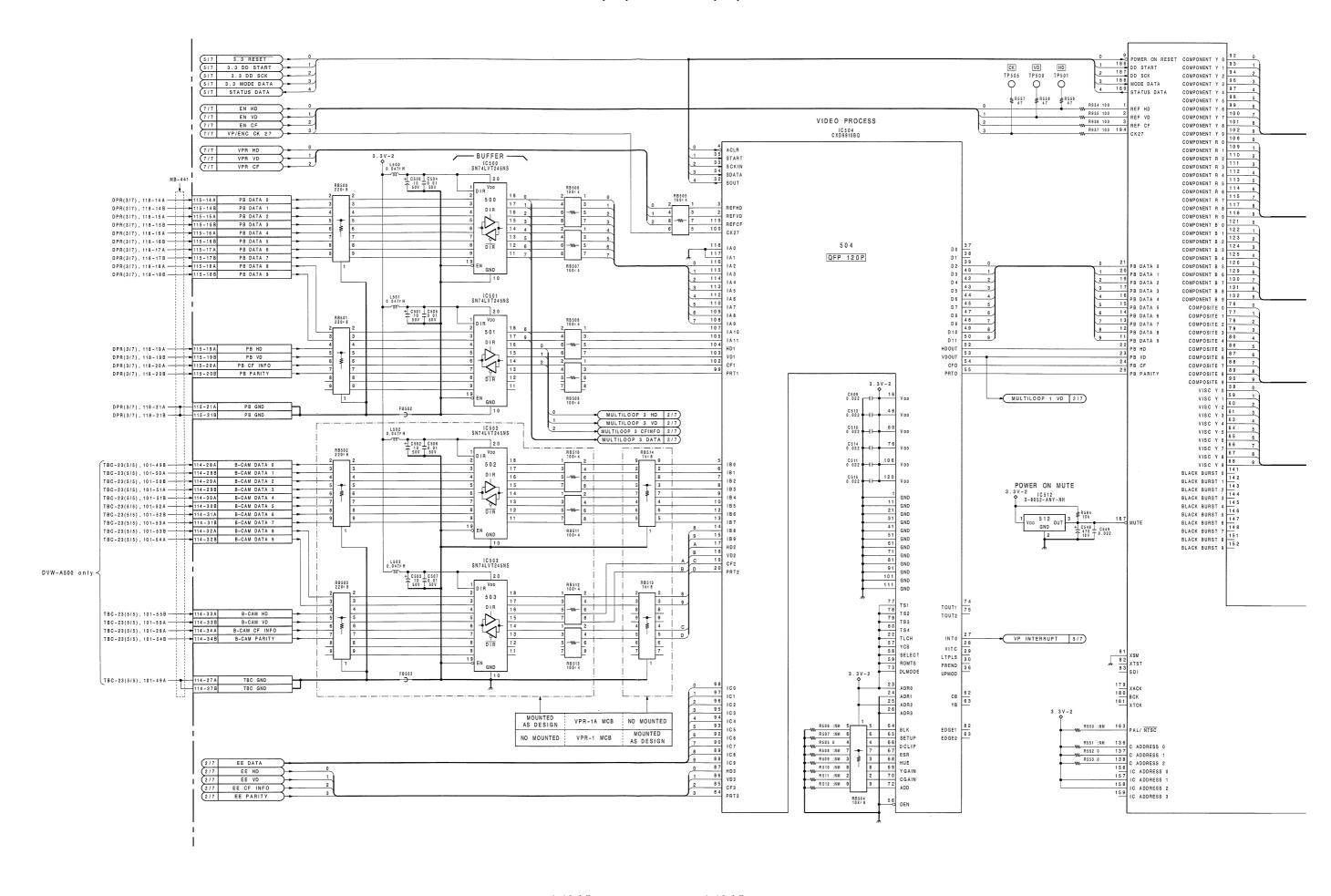
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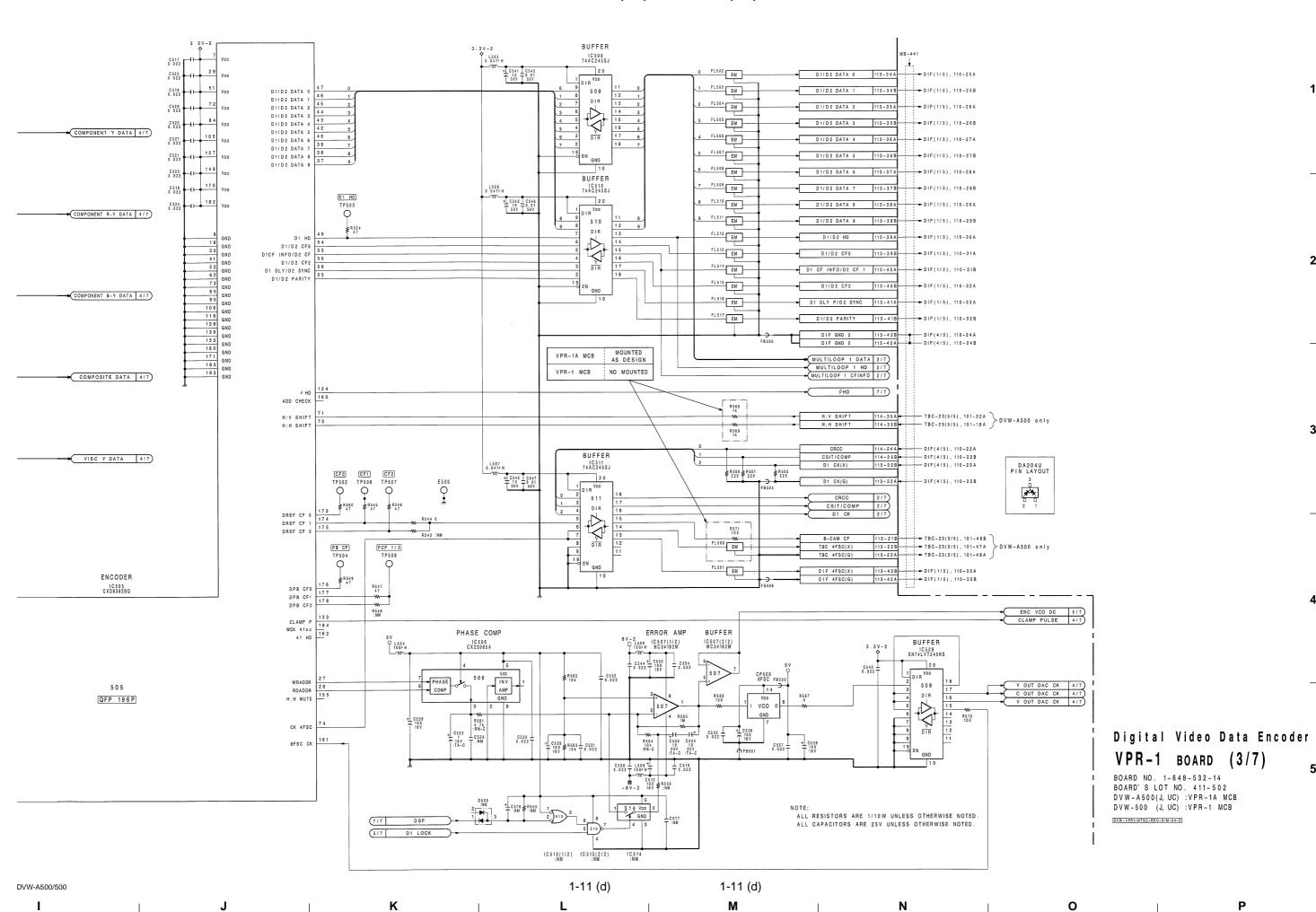


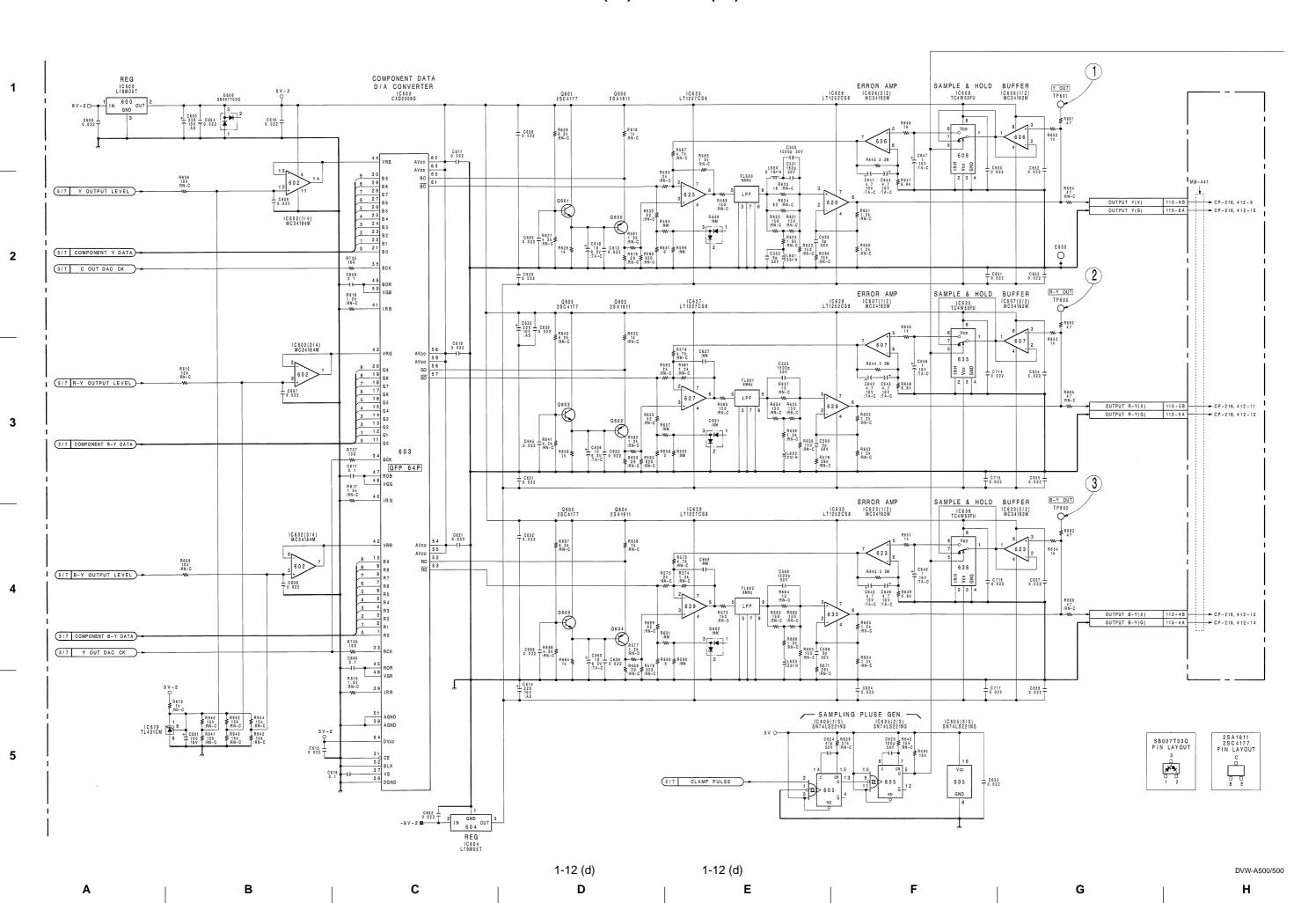


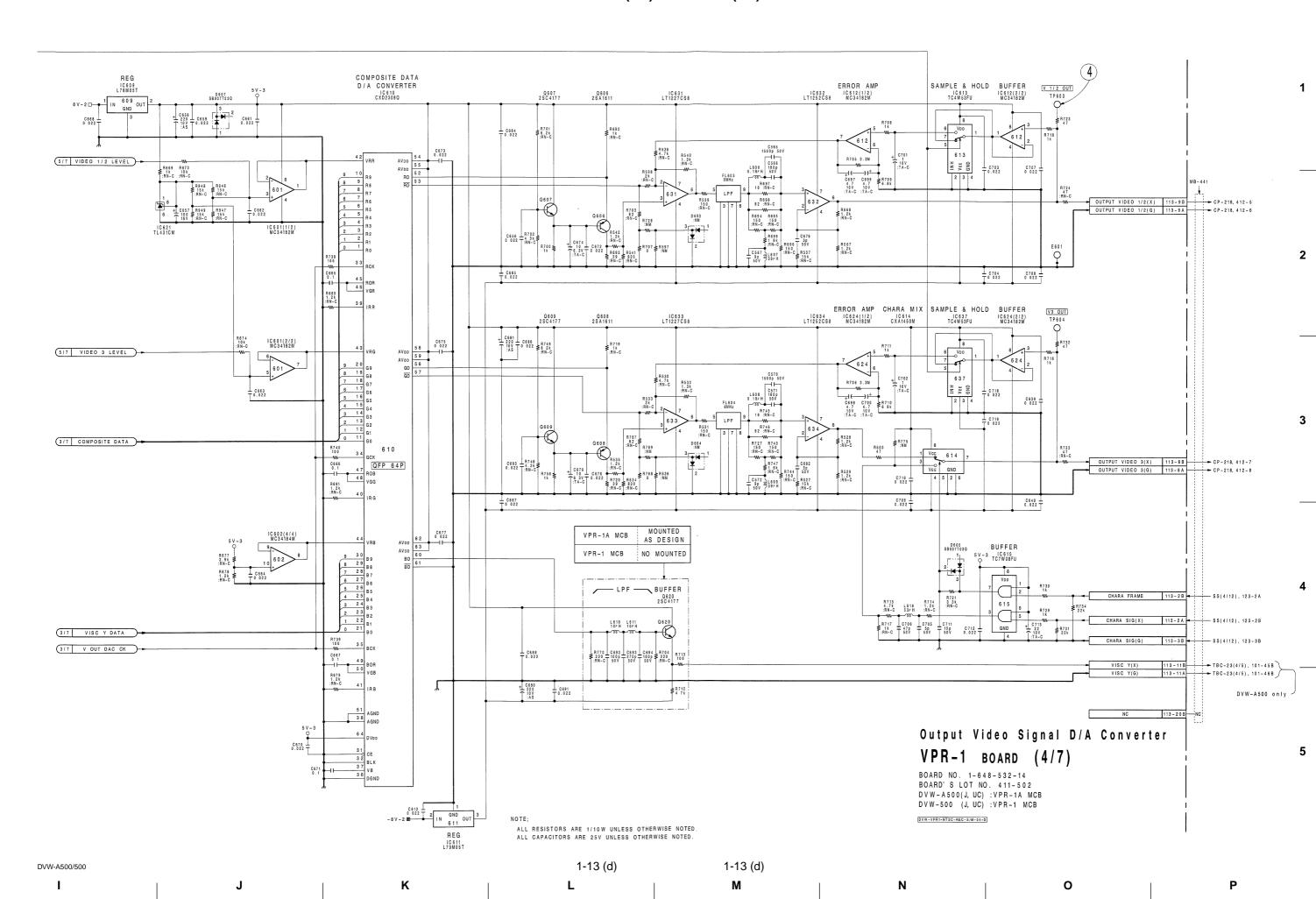


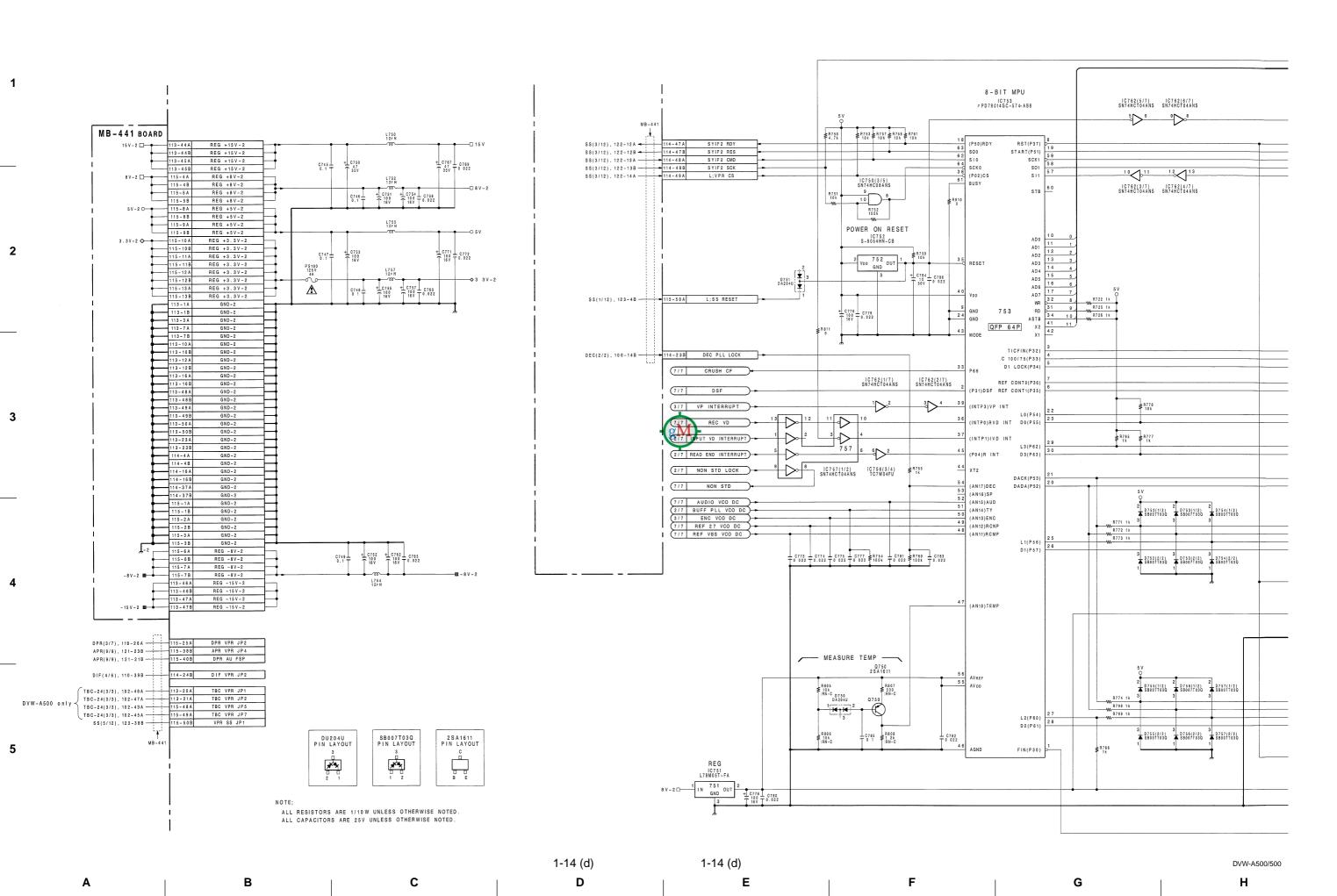


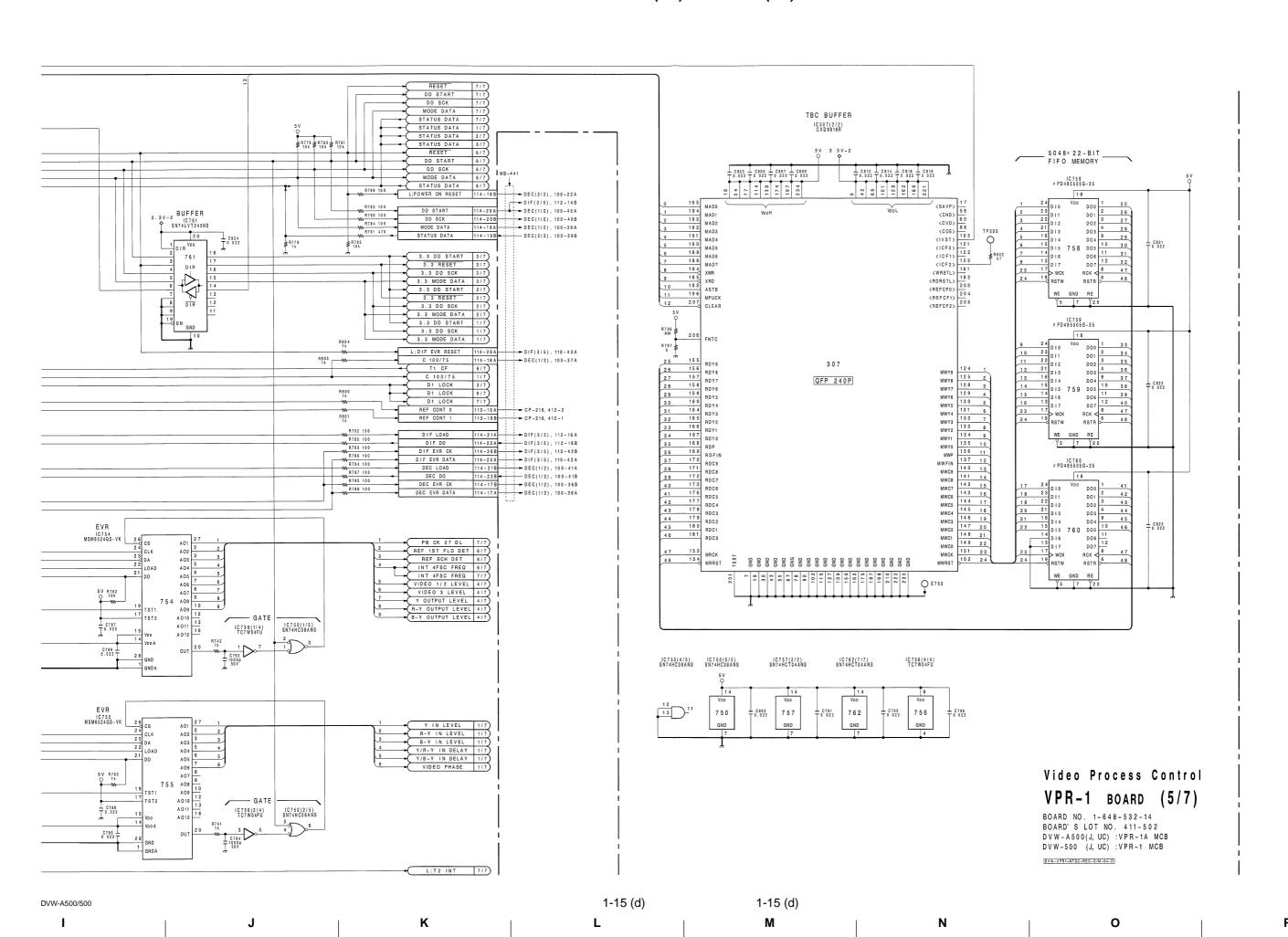


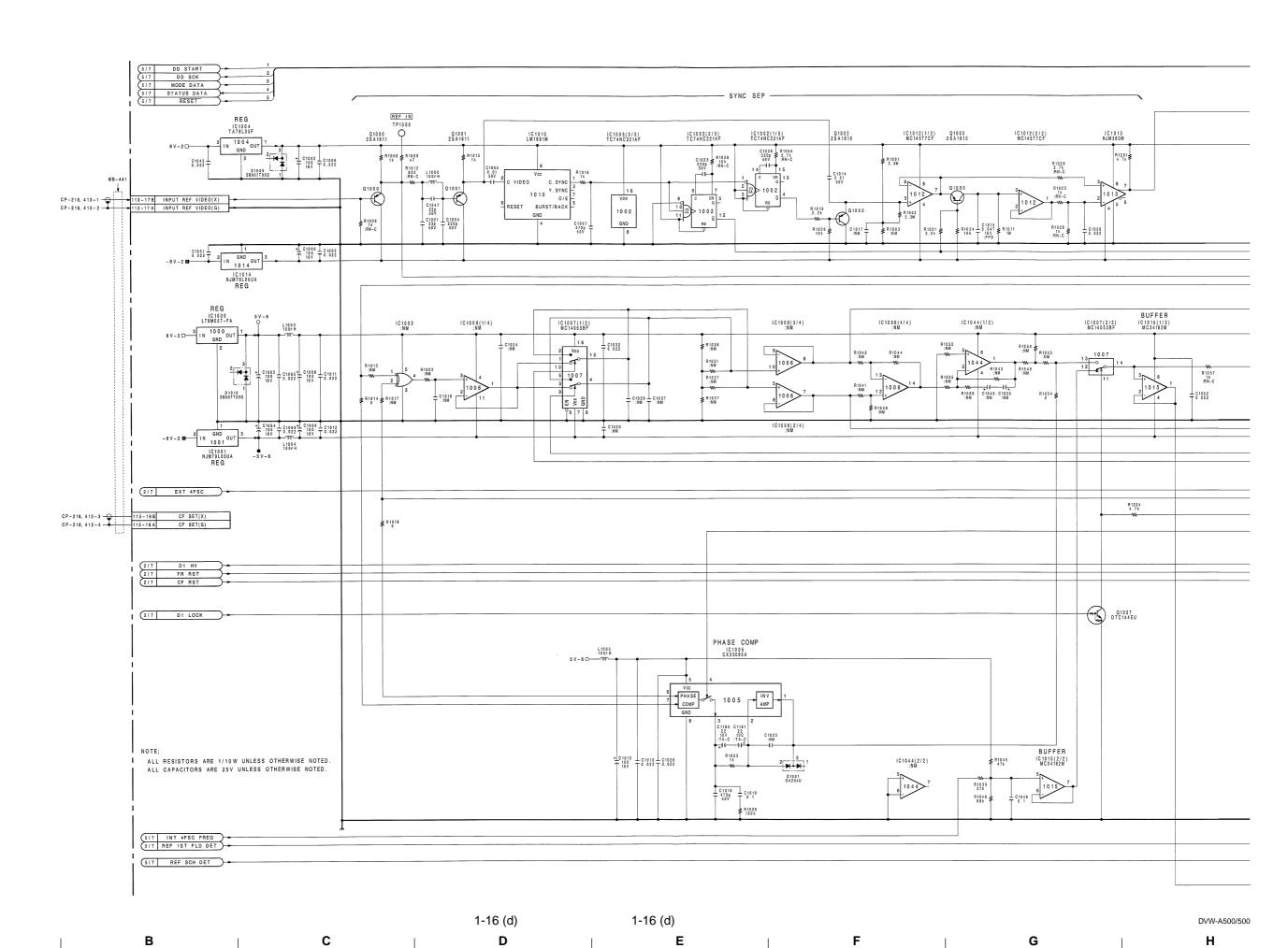


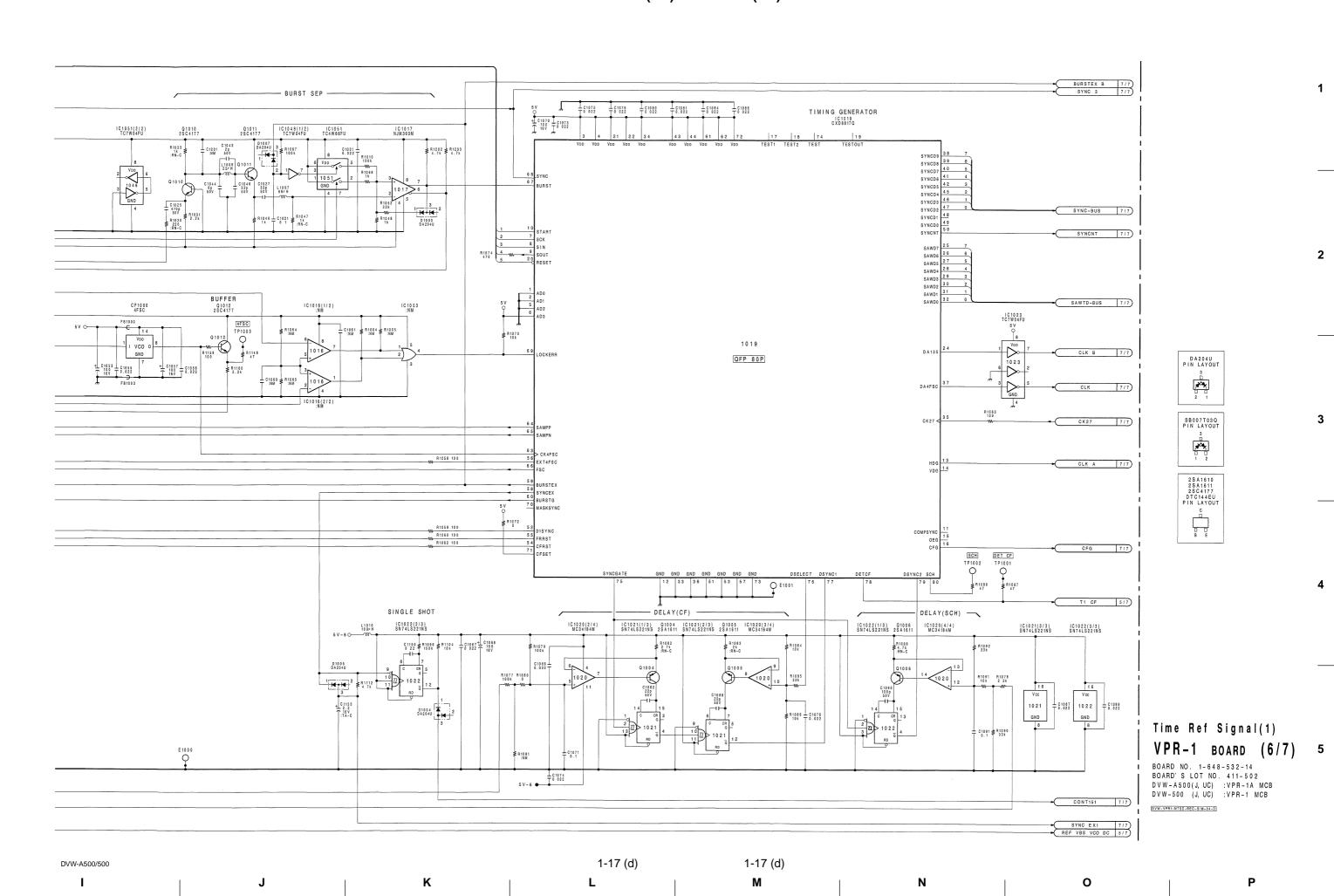


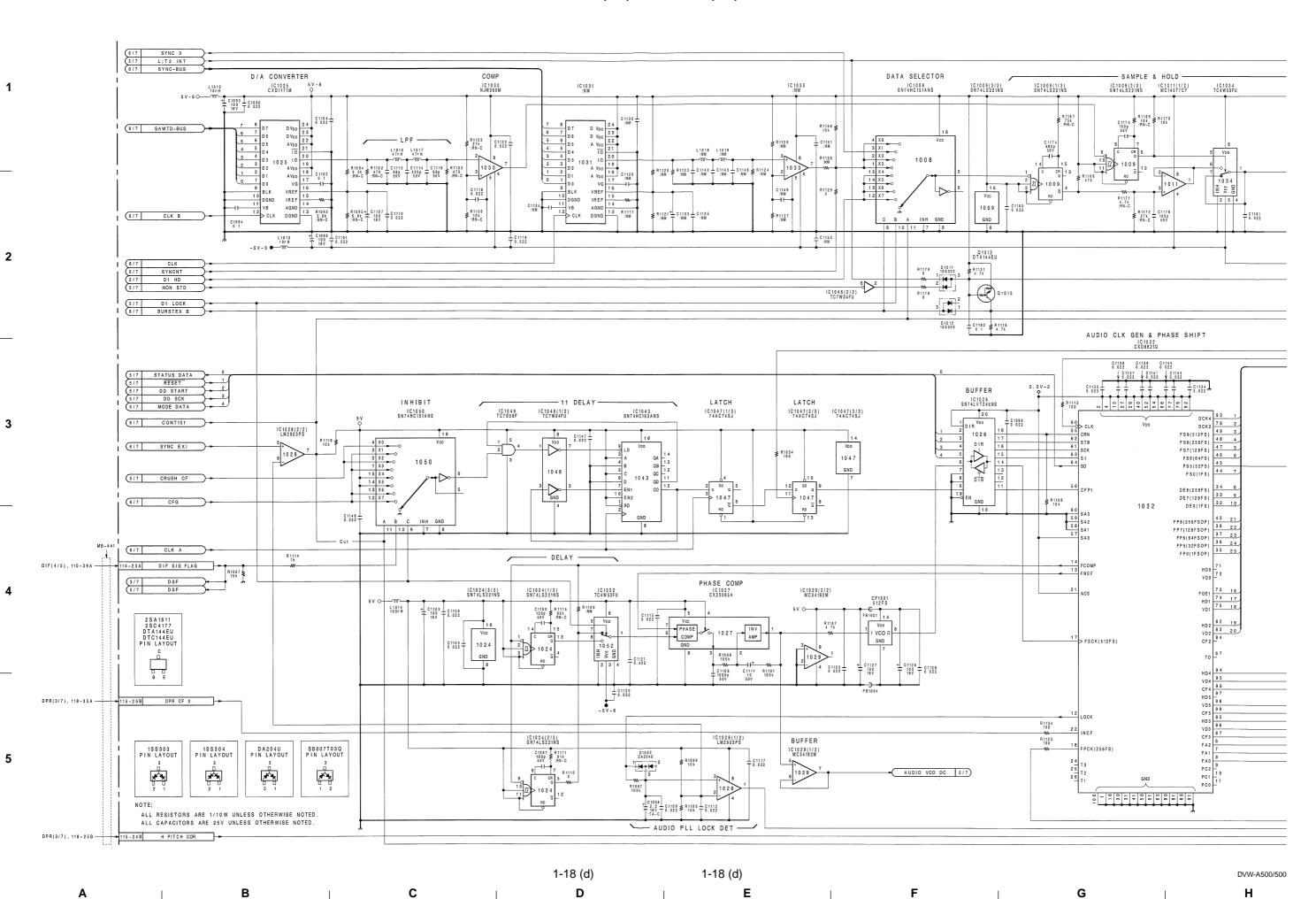


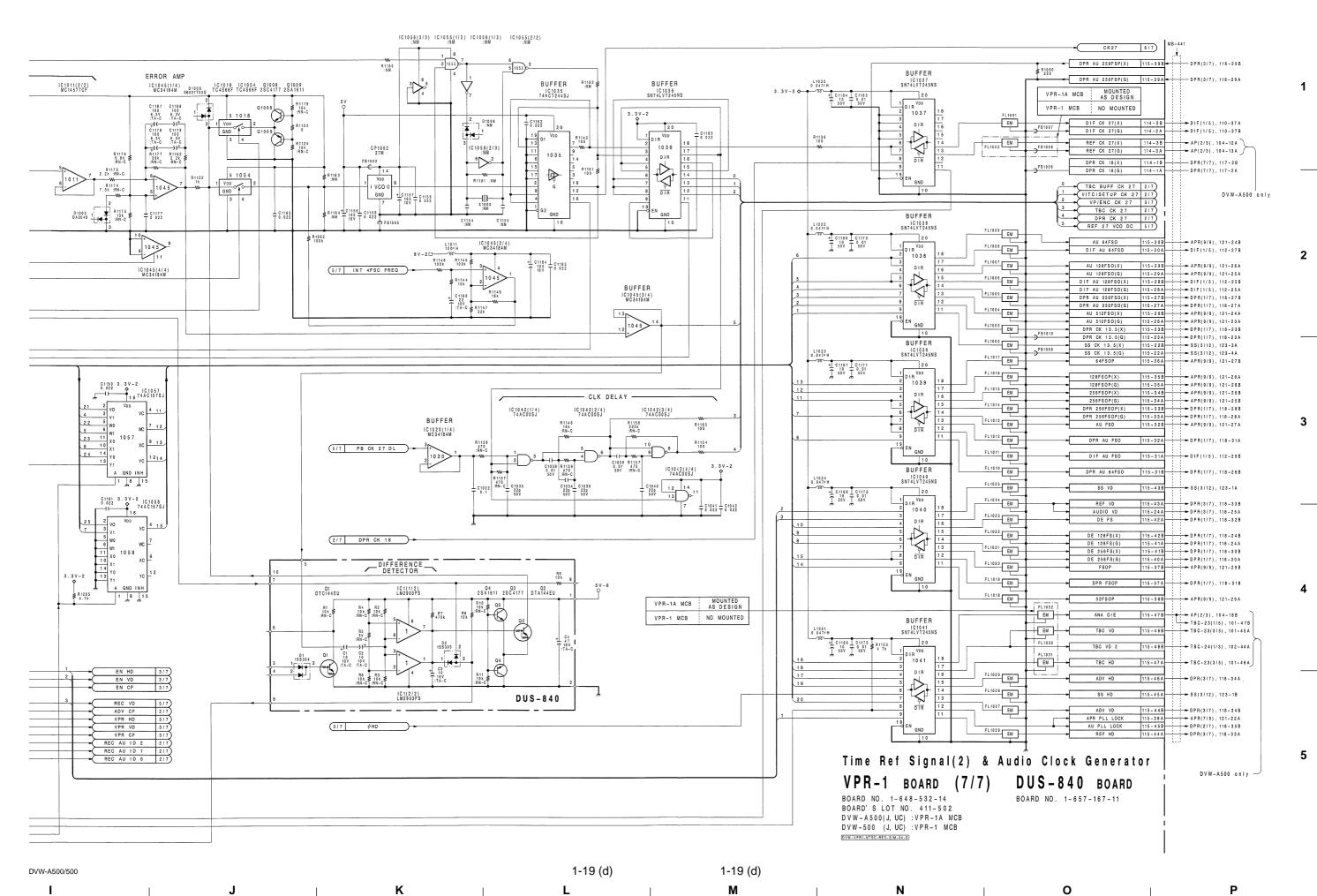


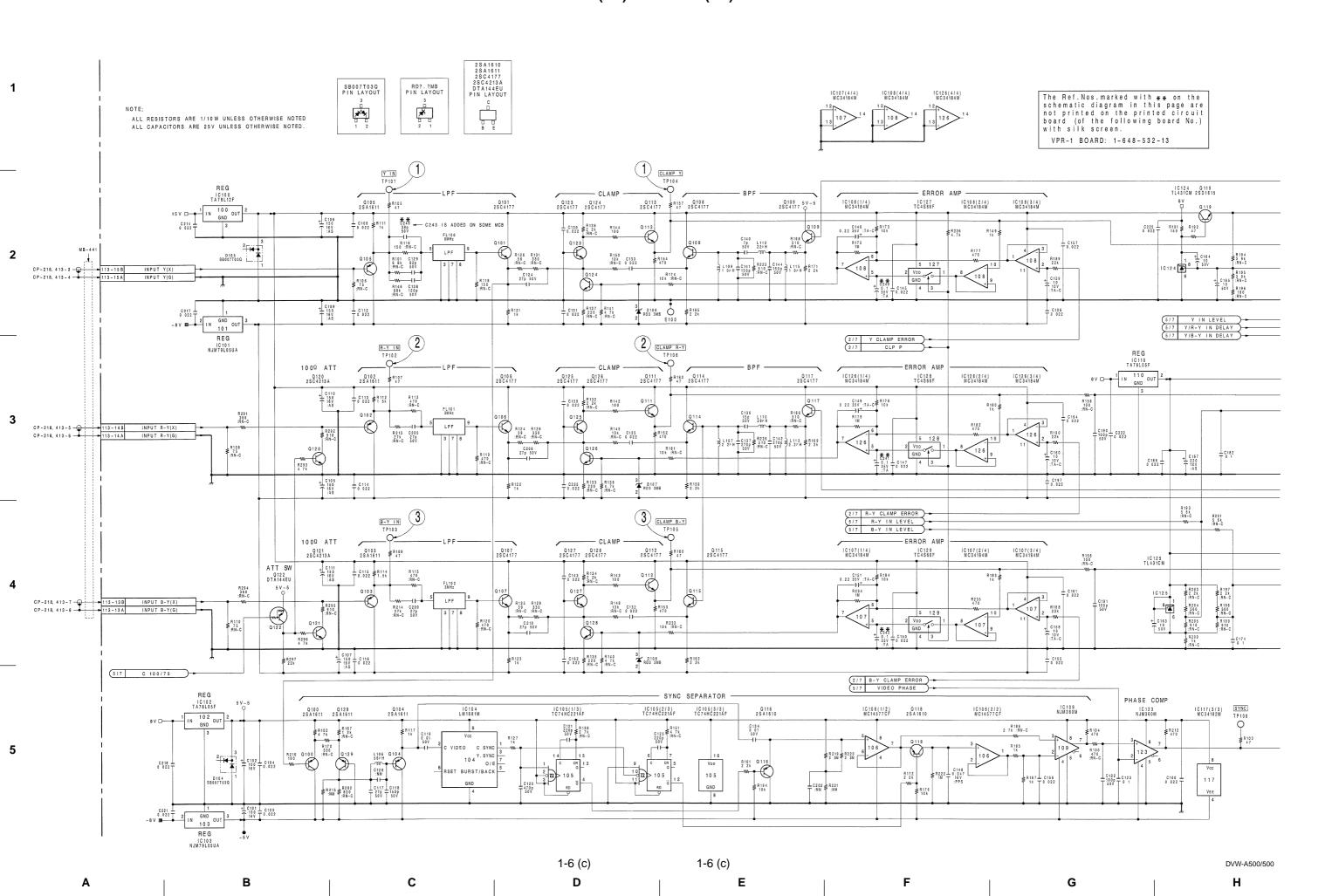


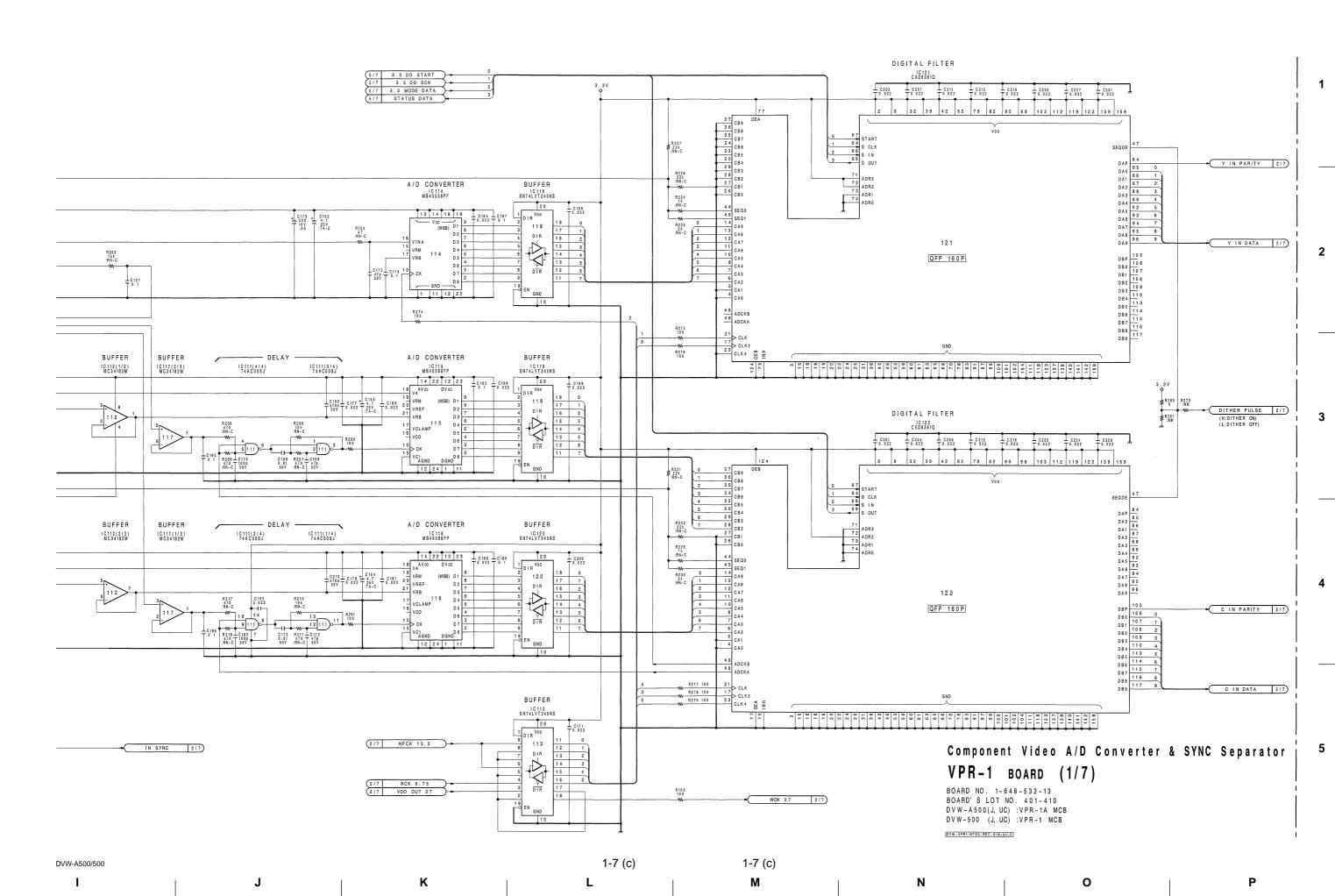


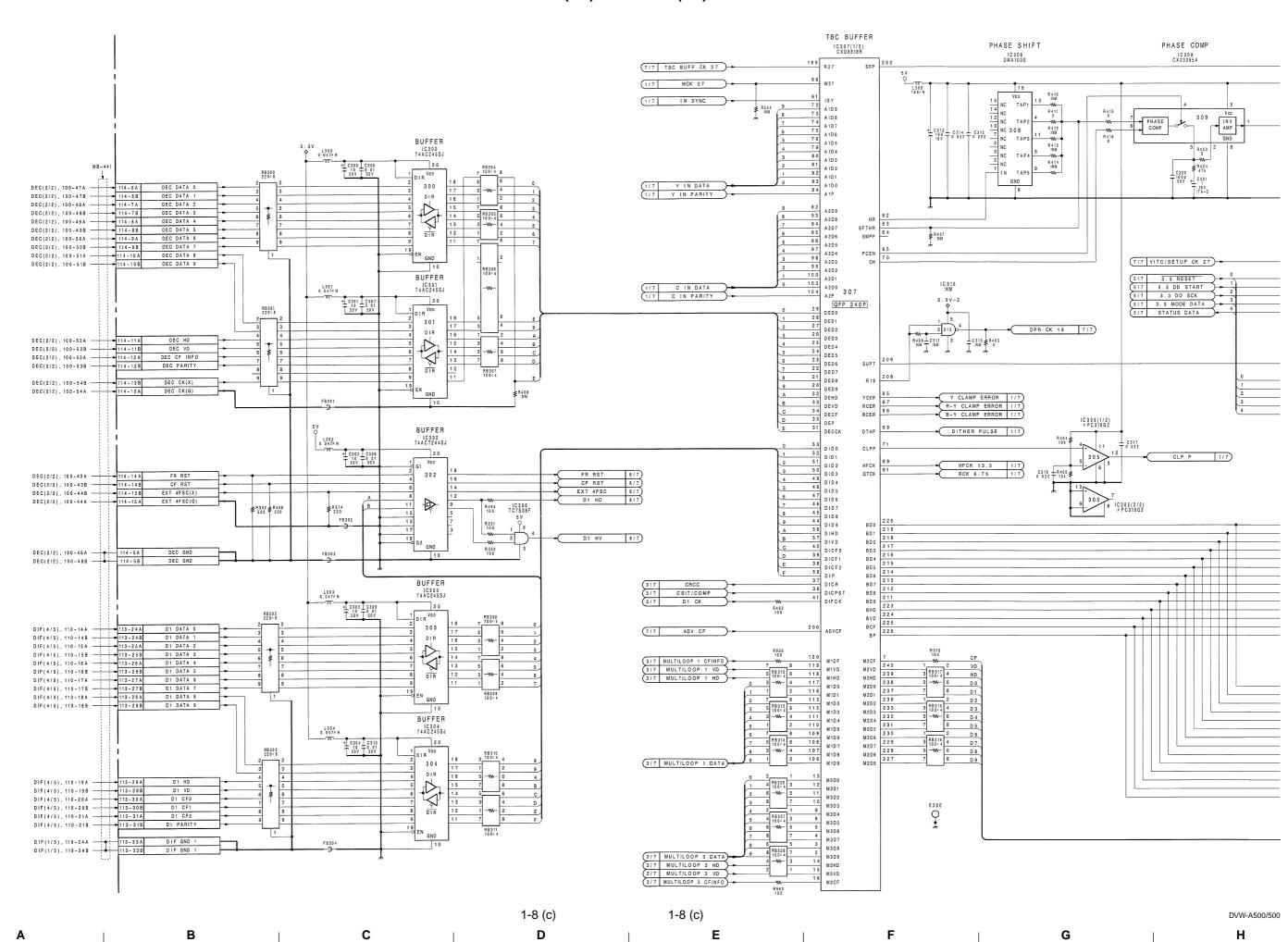


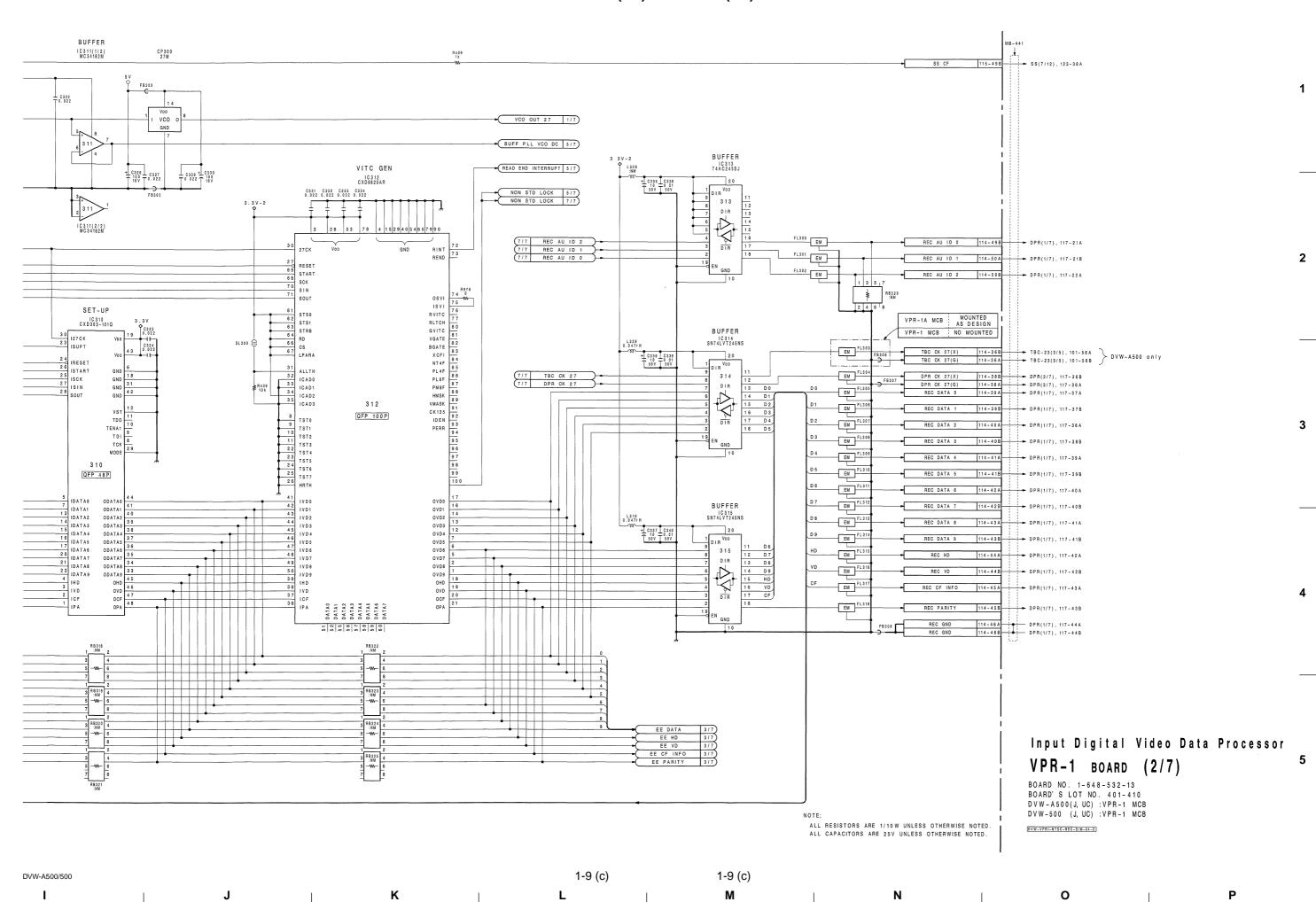


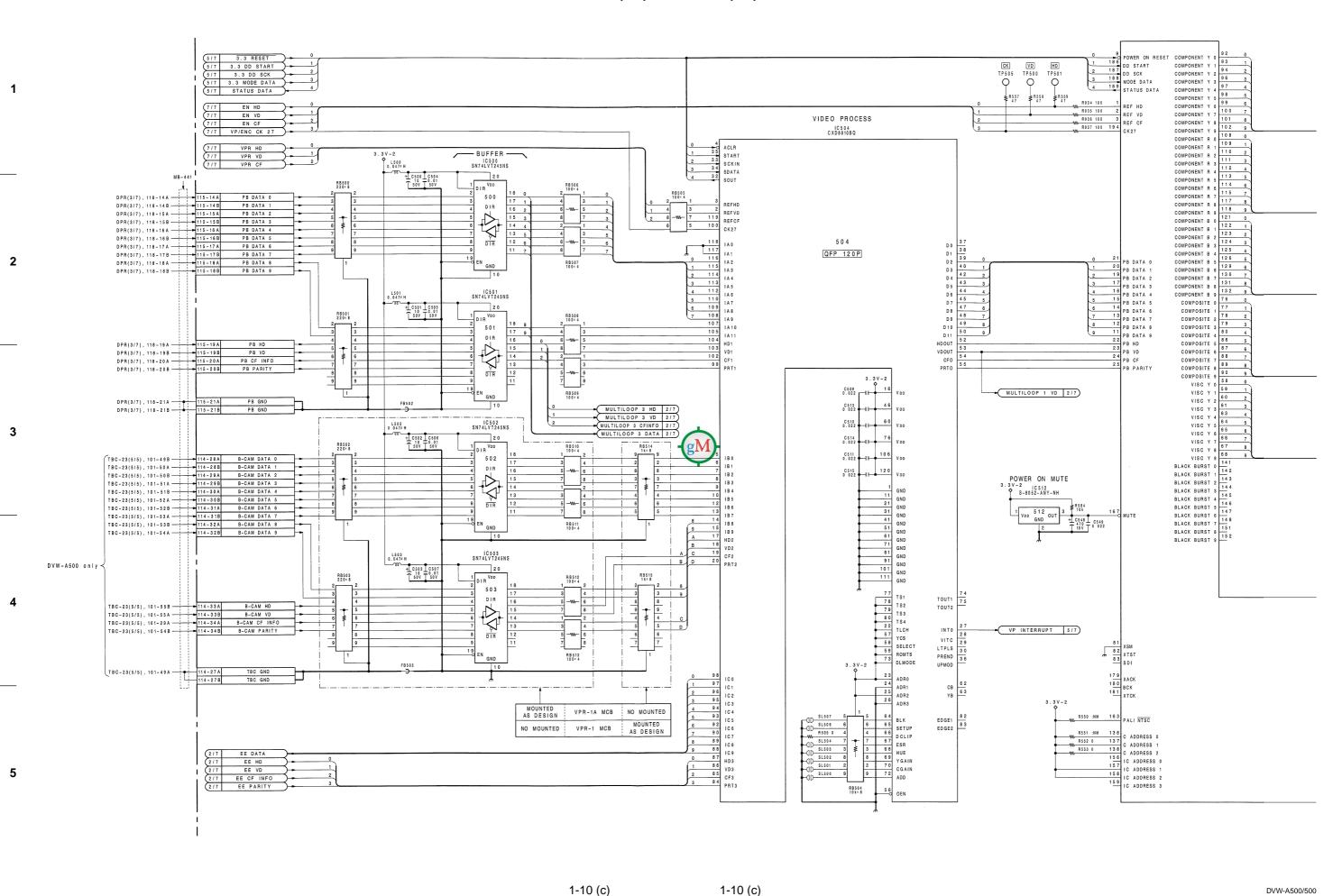




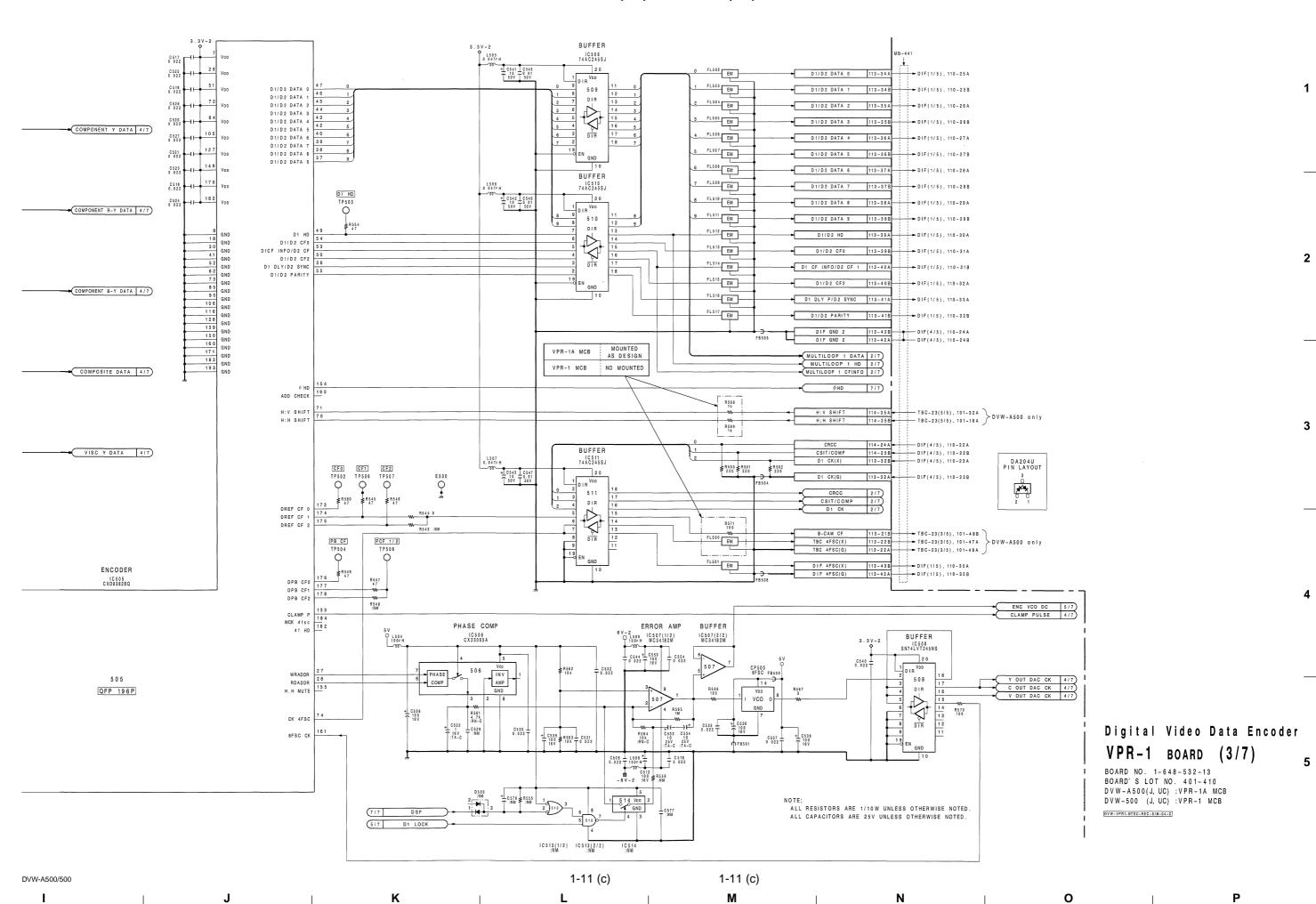


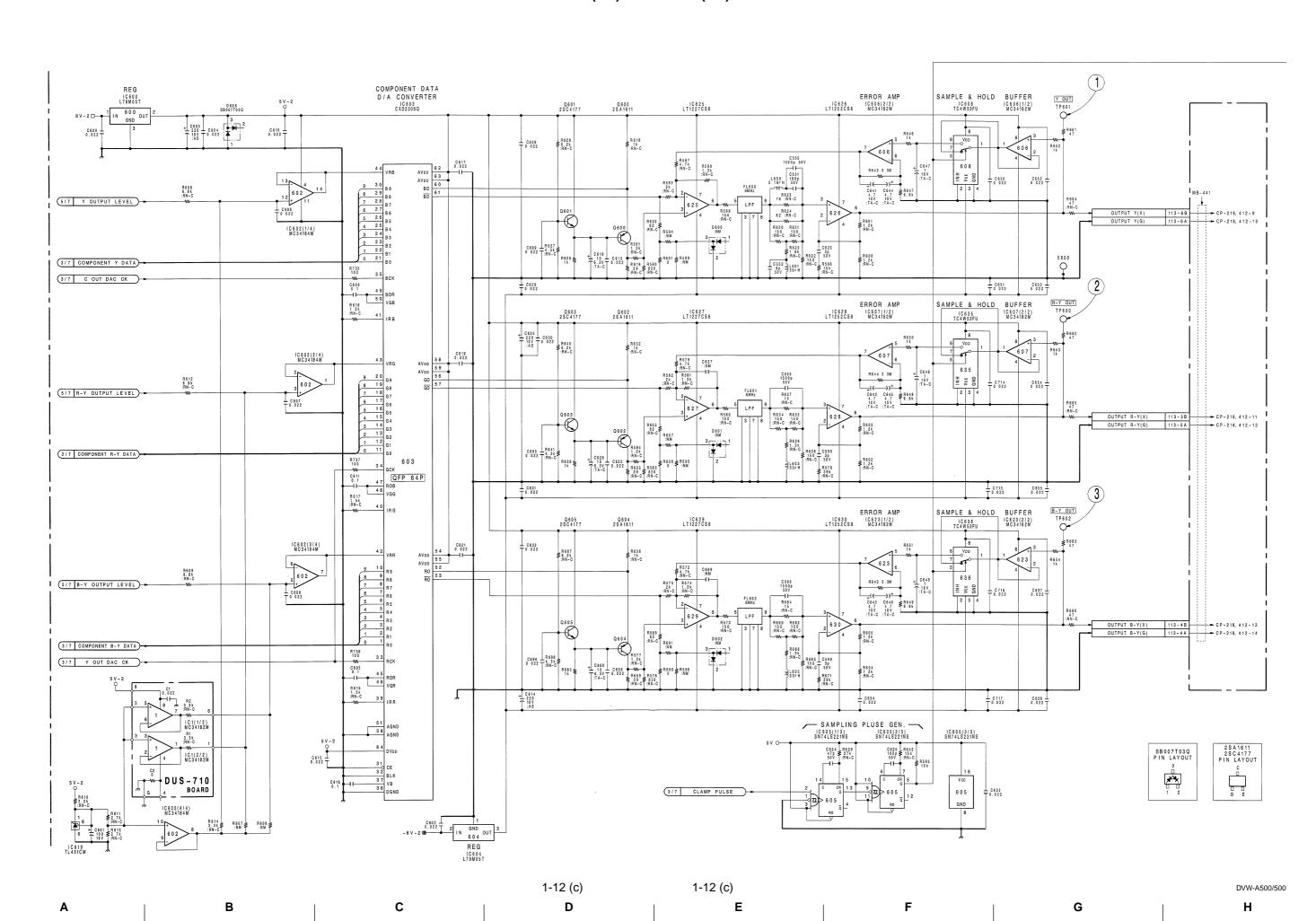


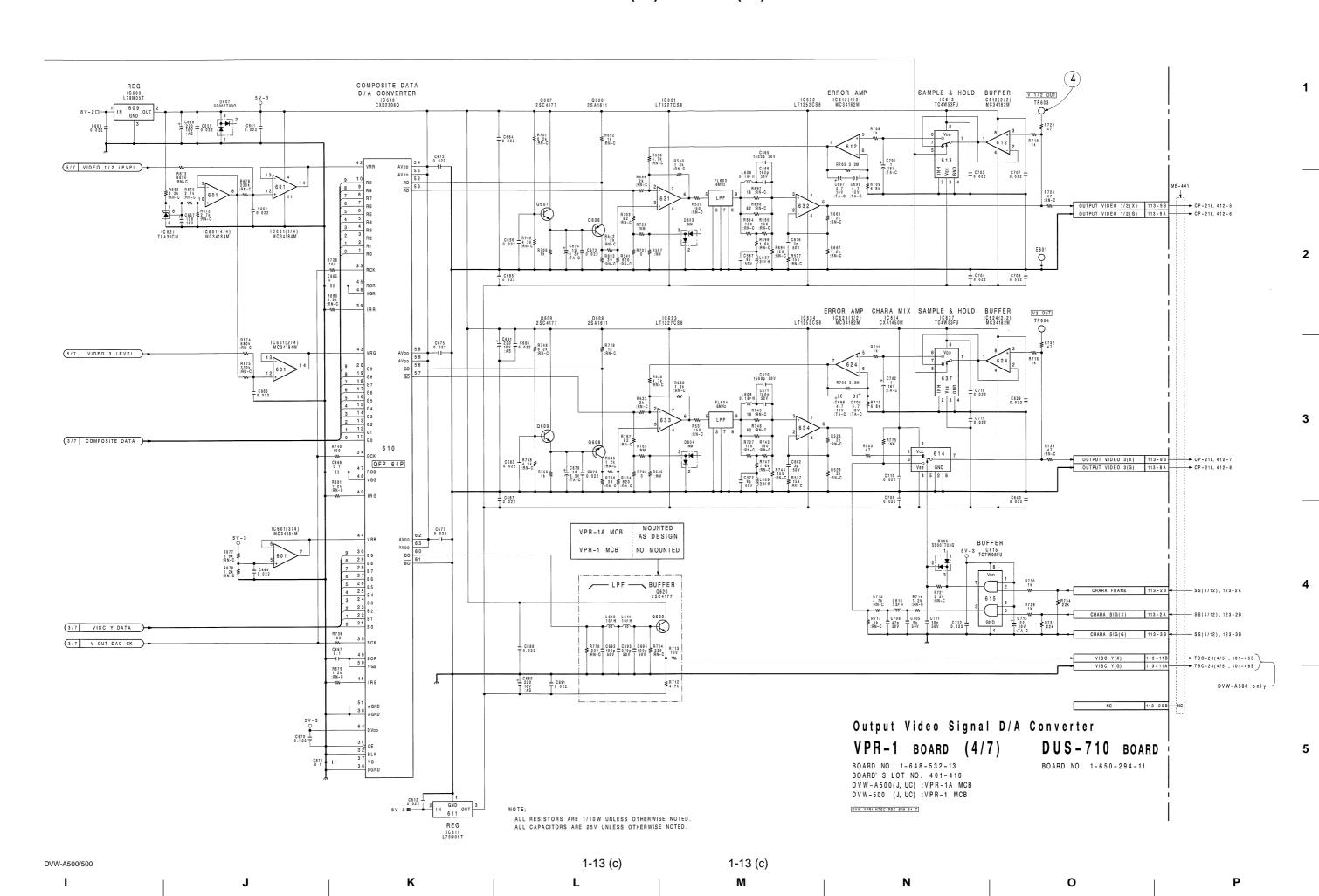


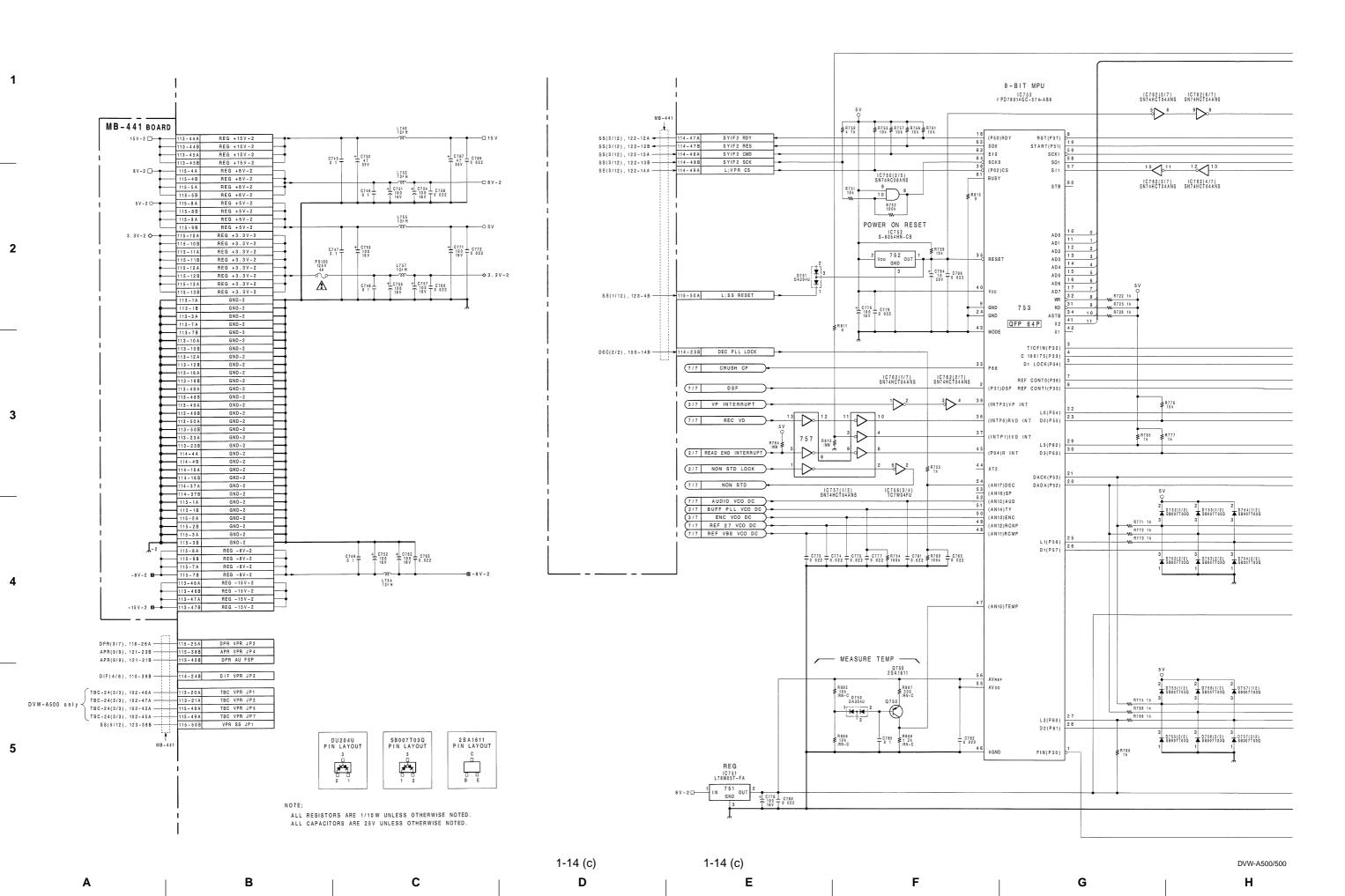


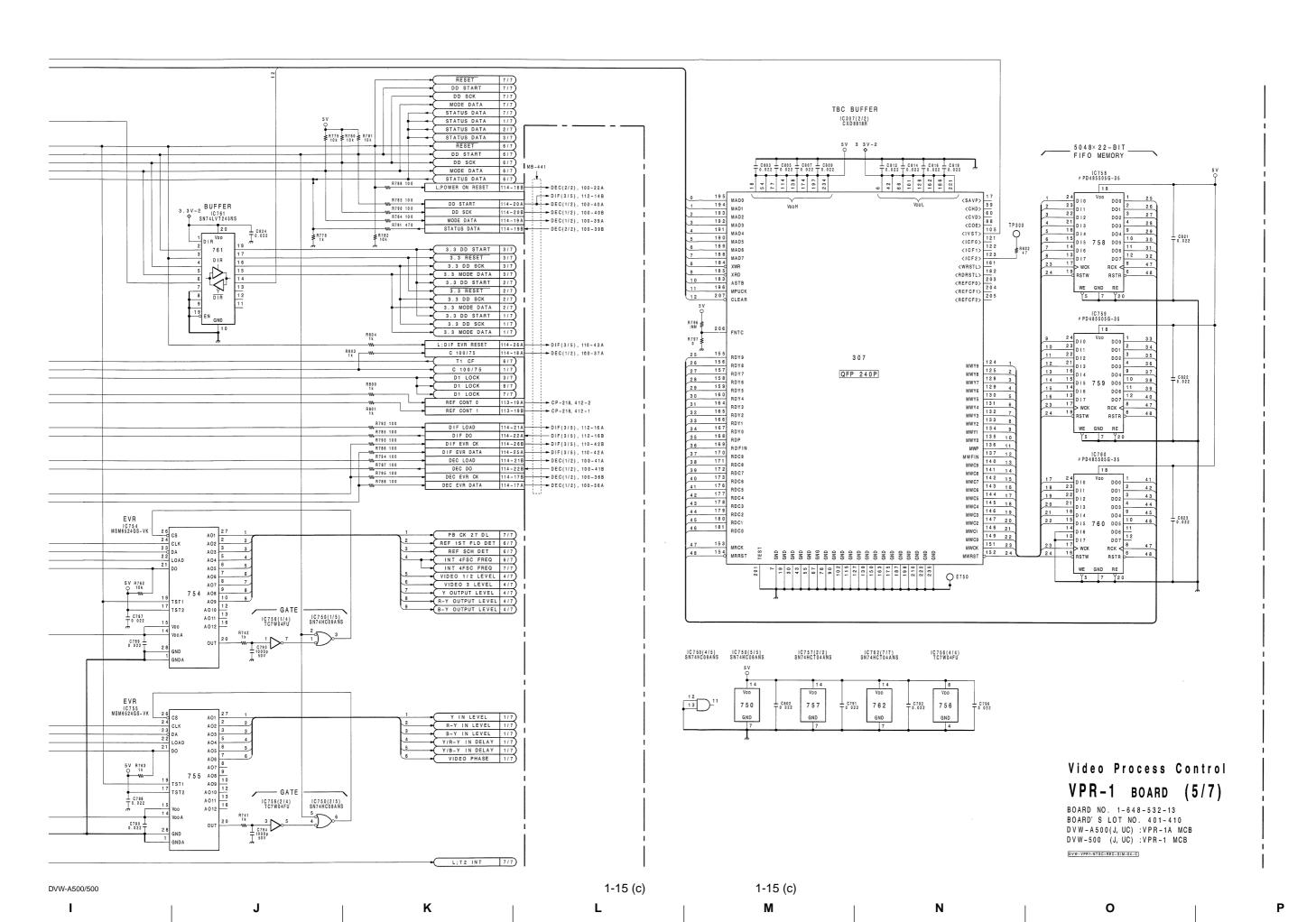
1-10 (c) 1-10 (c) 1-10 (d) 1-1

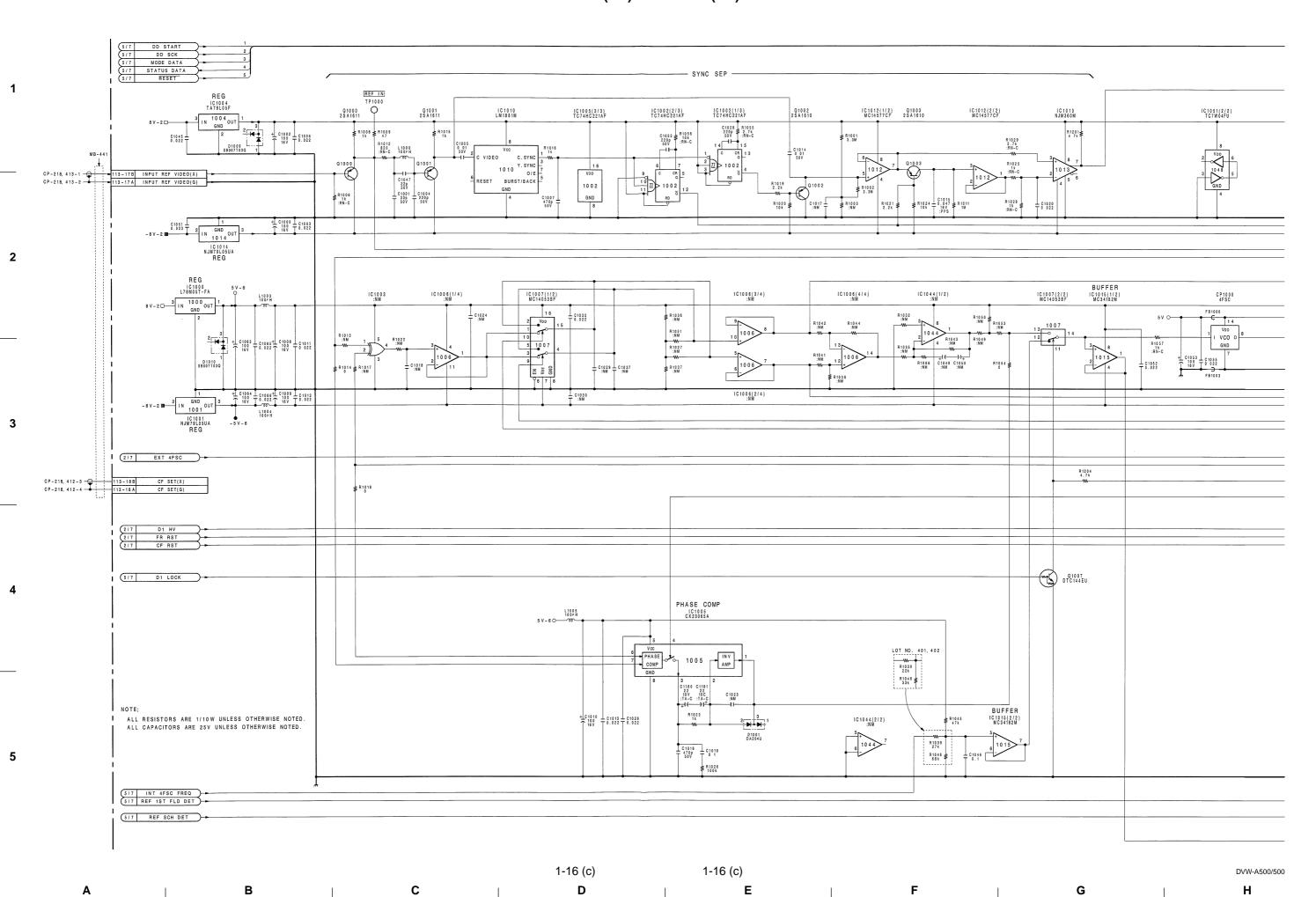


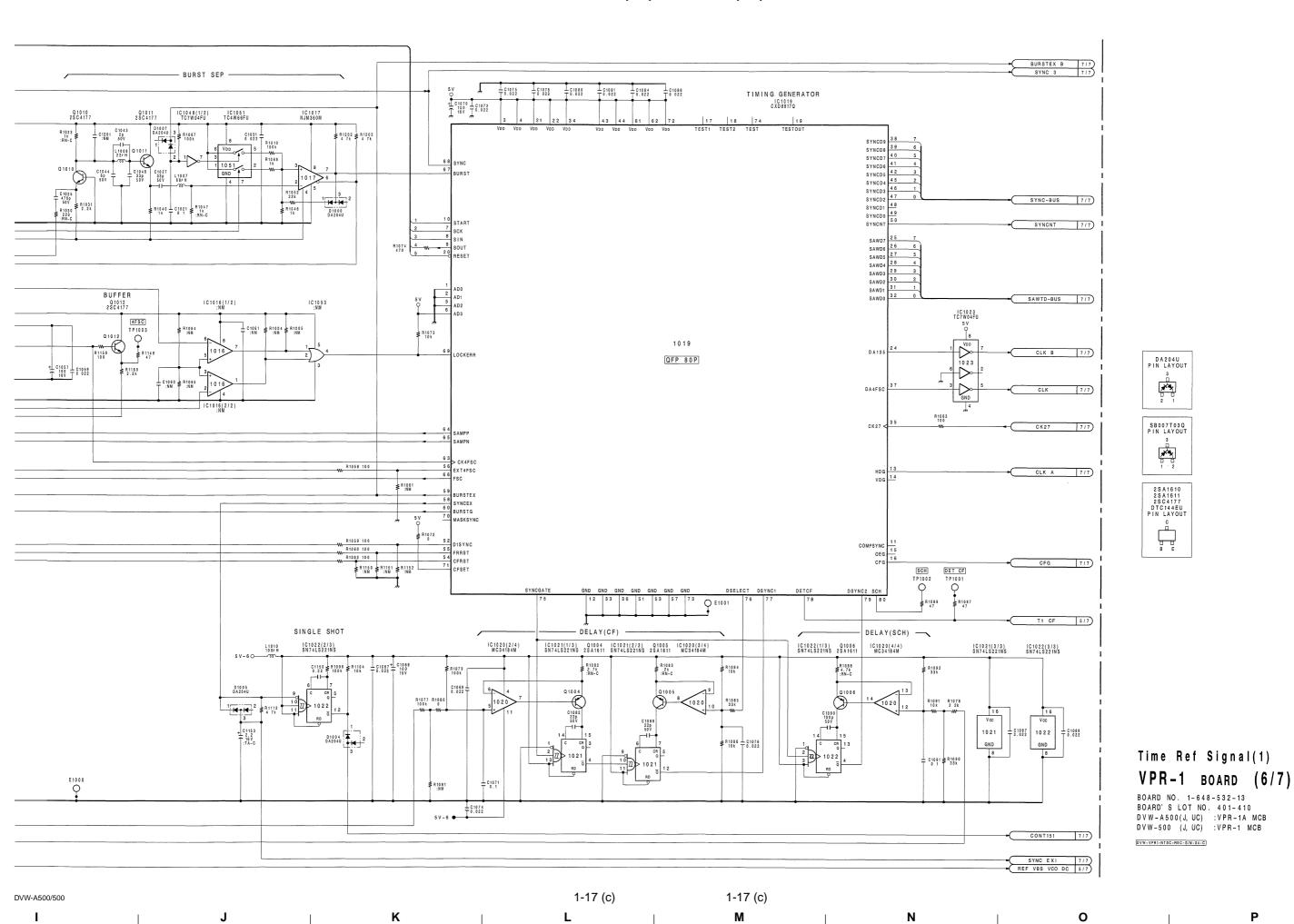


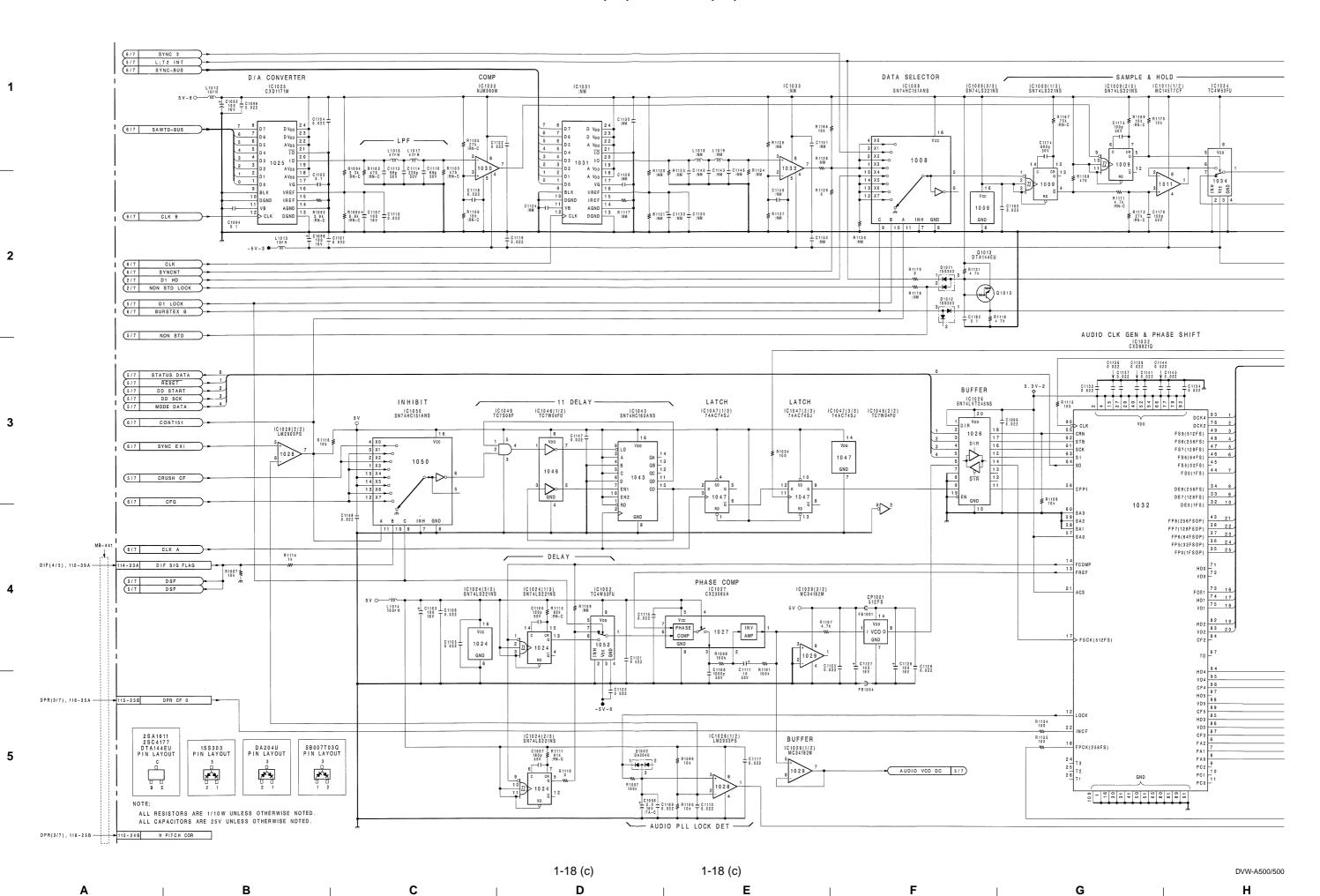


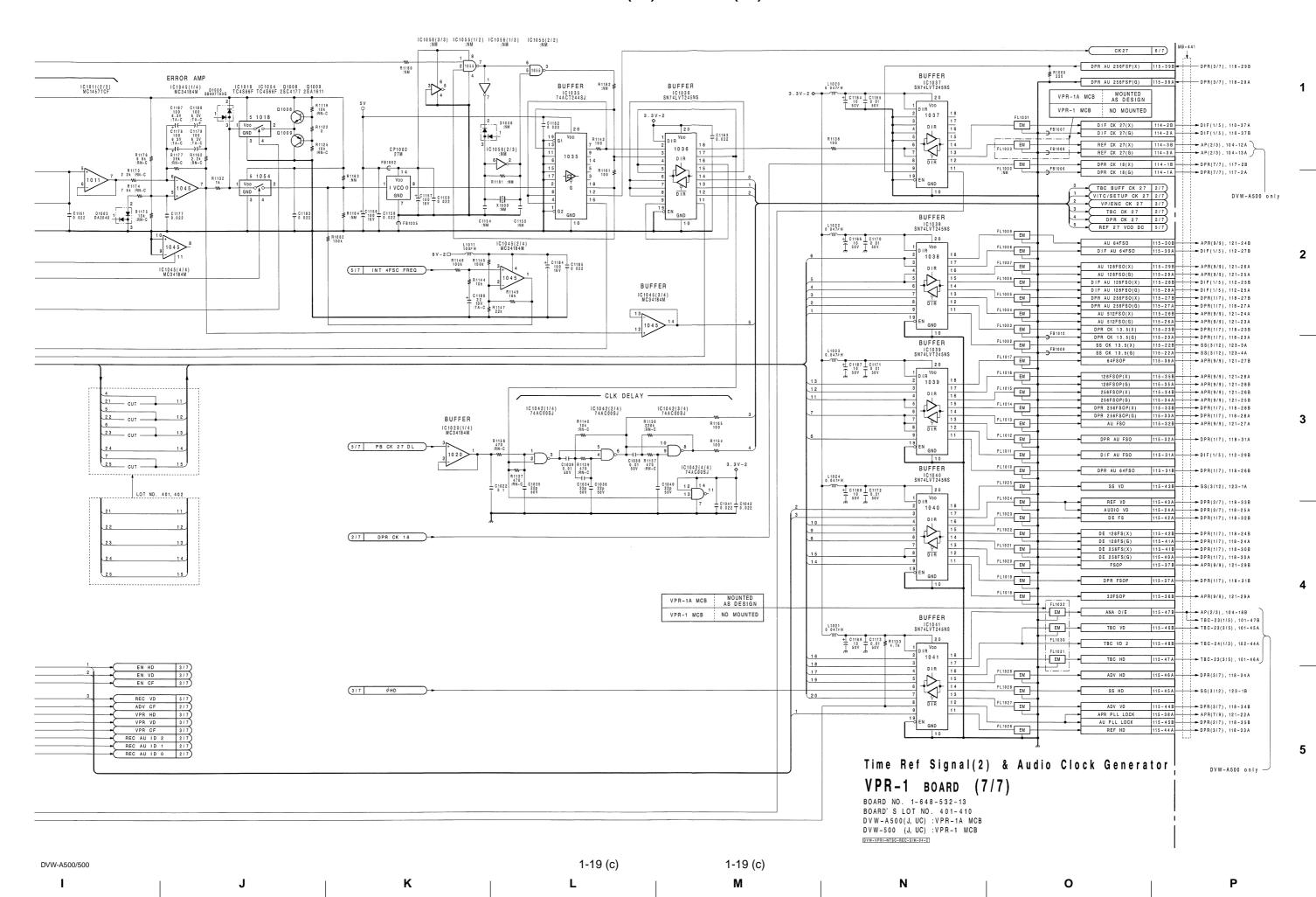


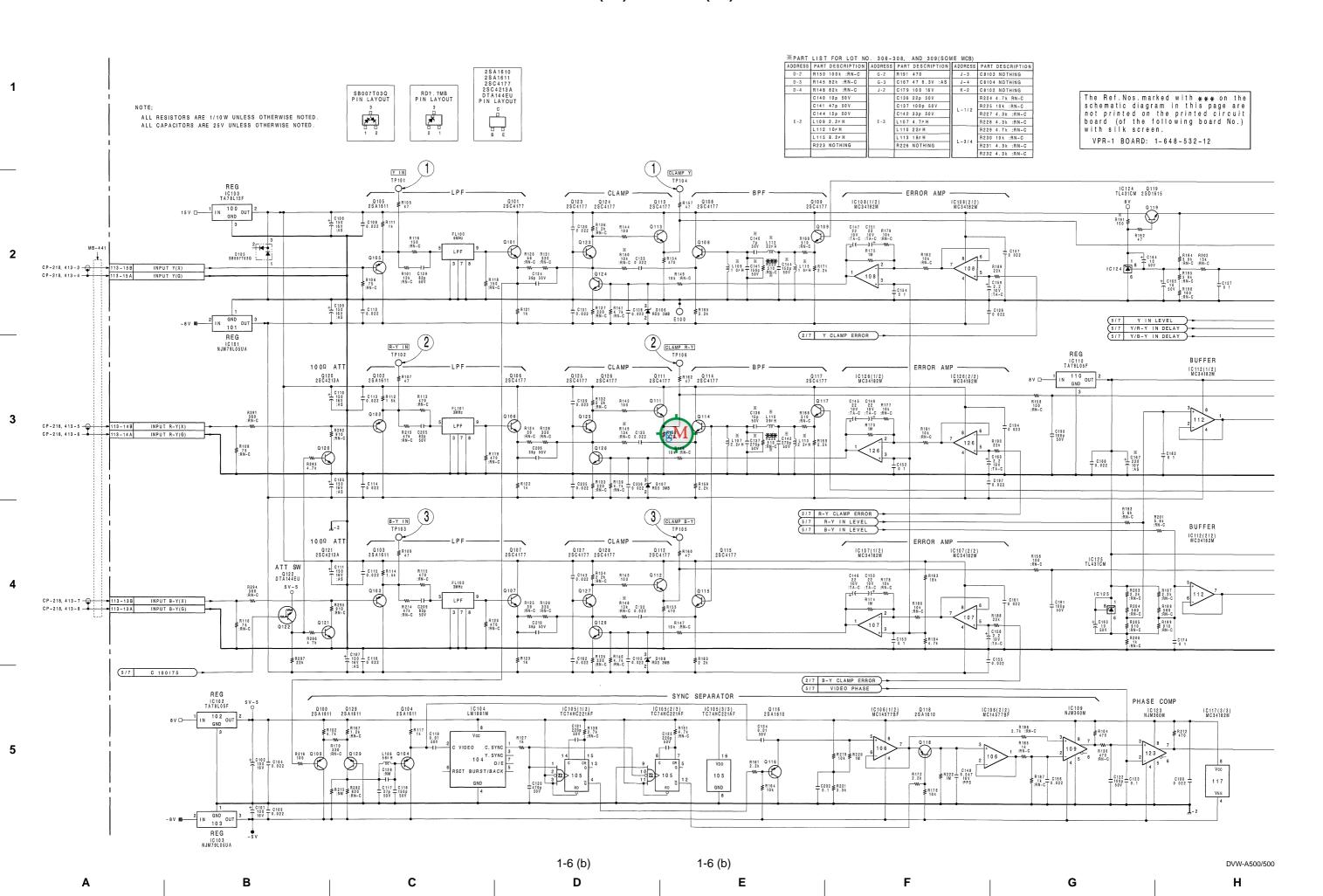


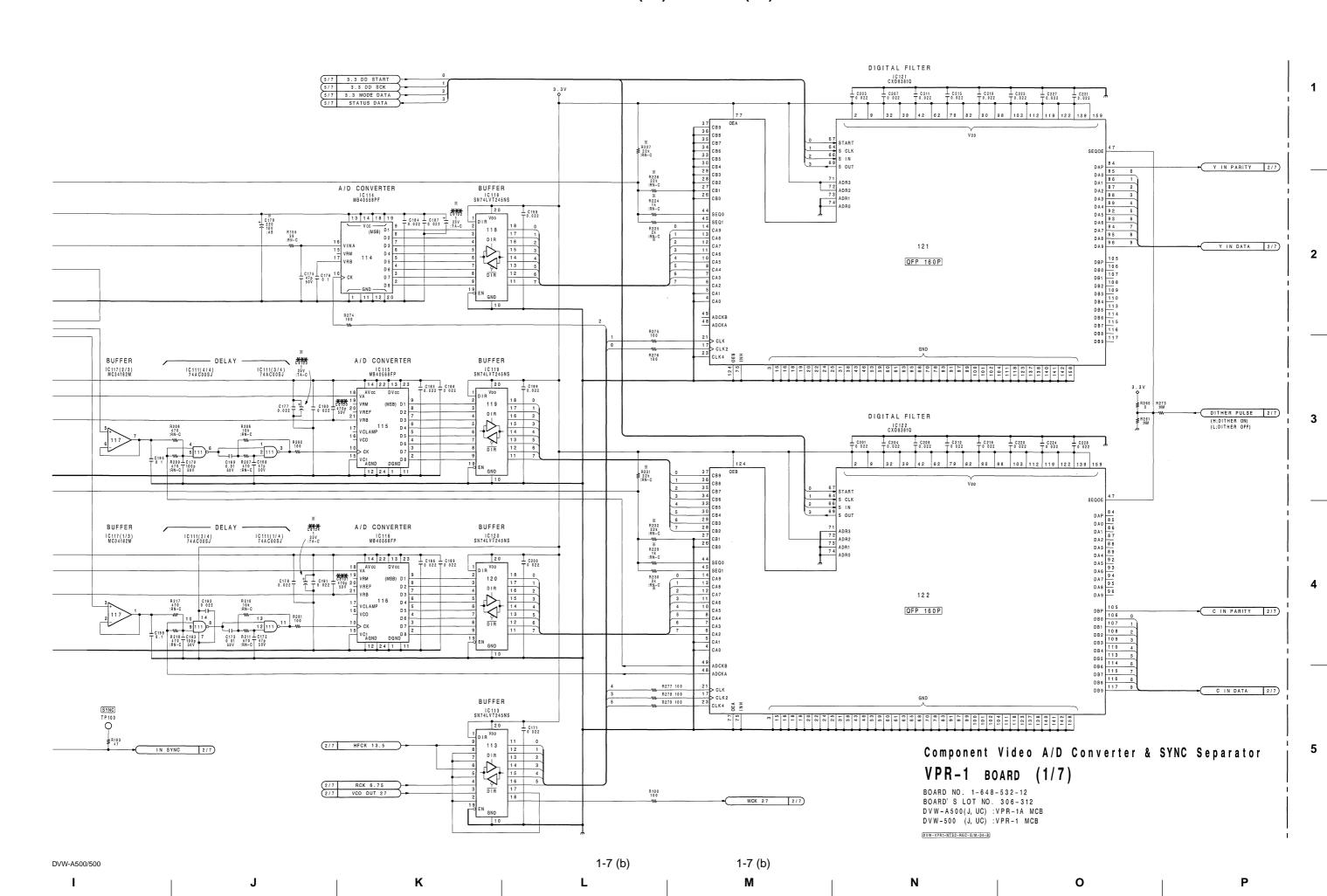


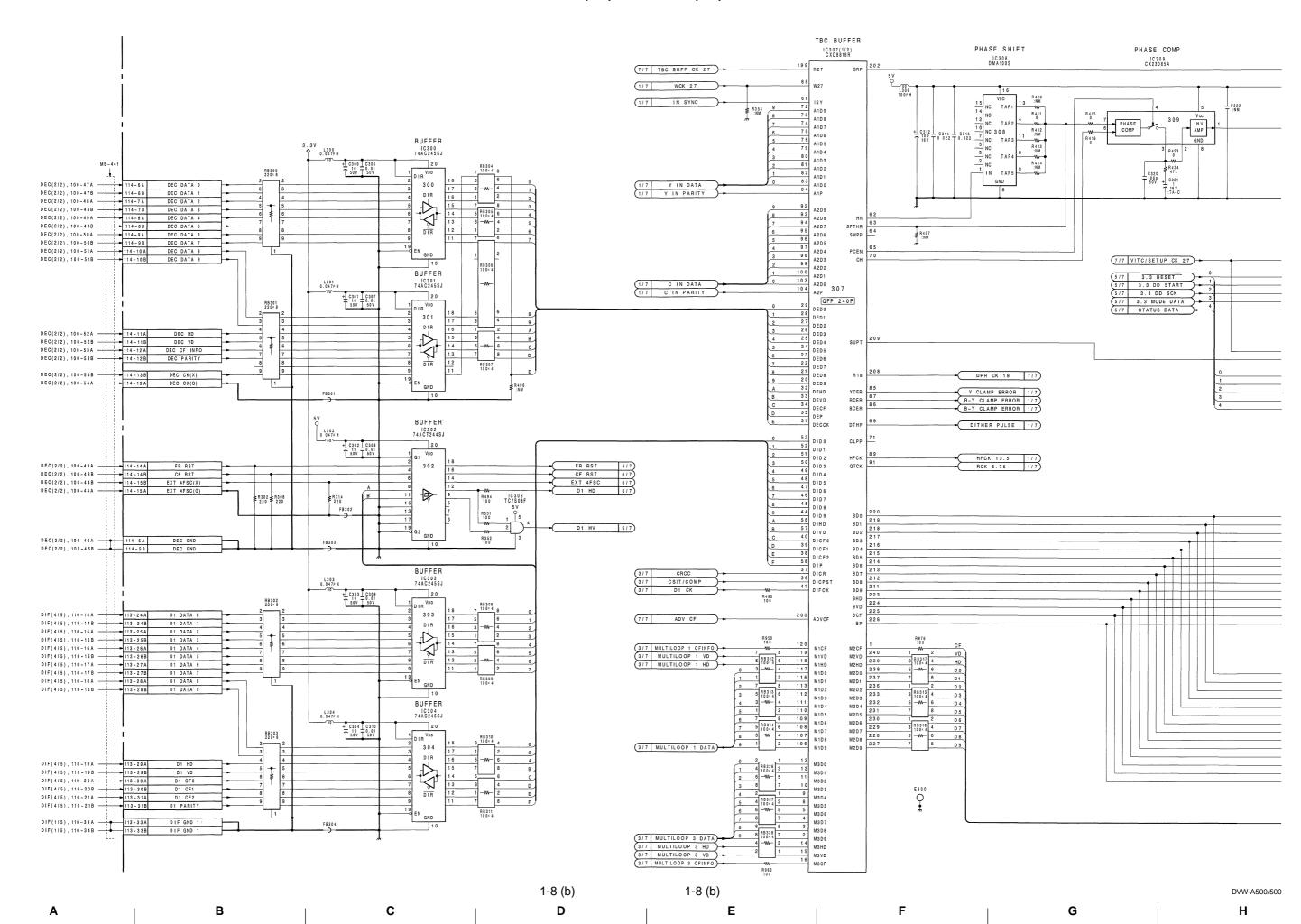


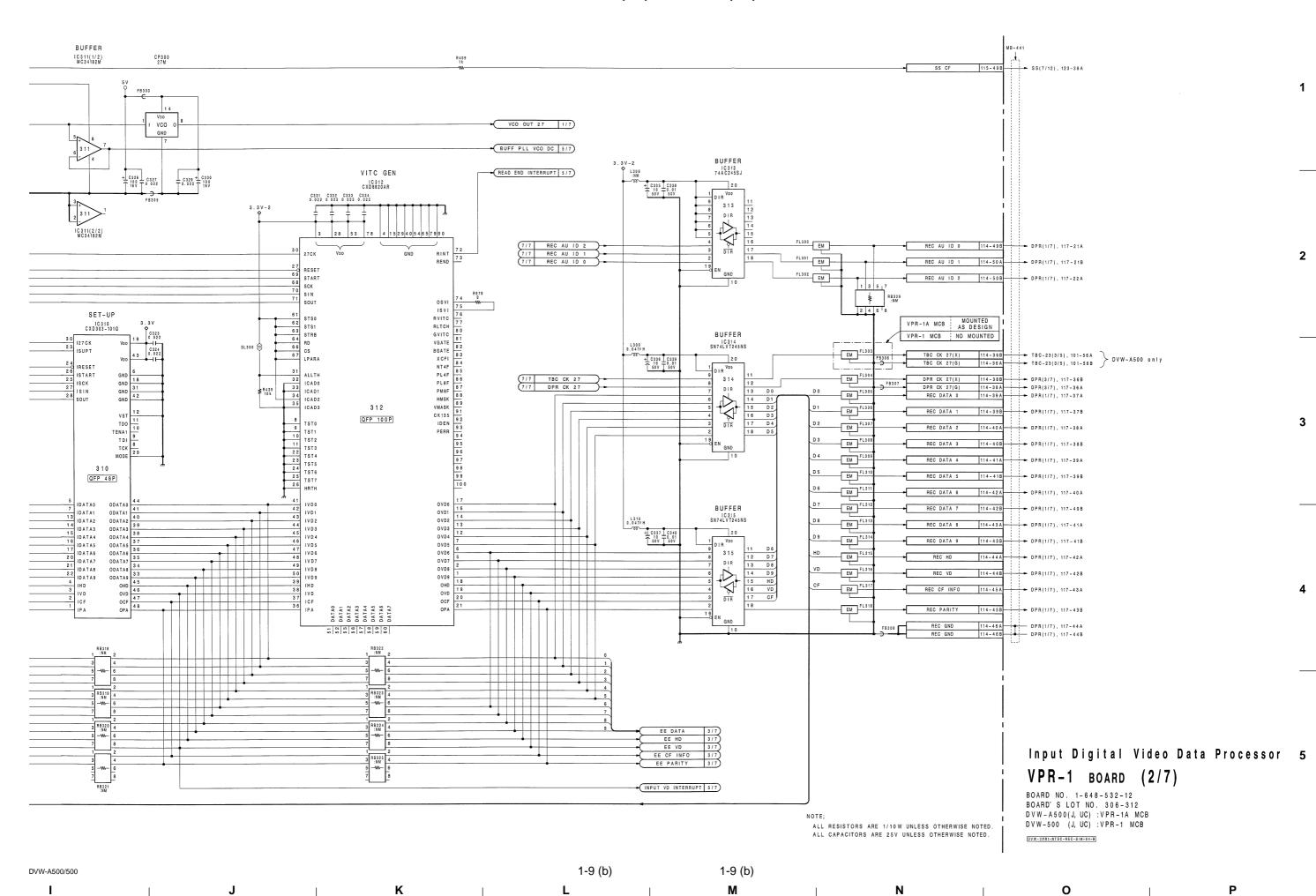


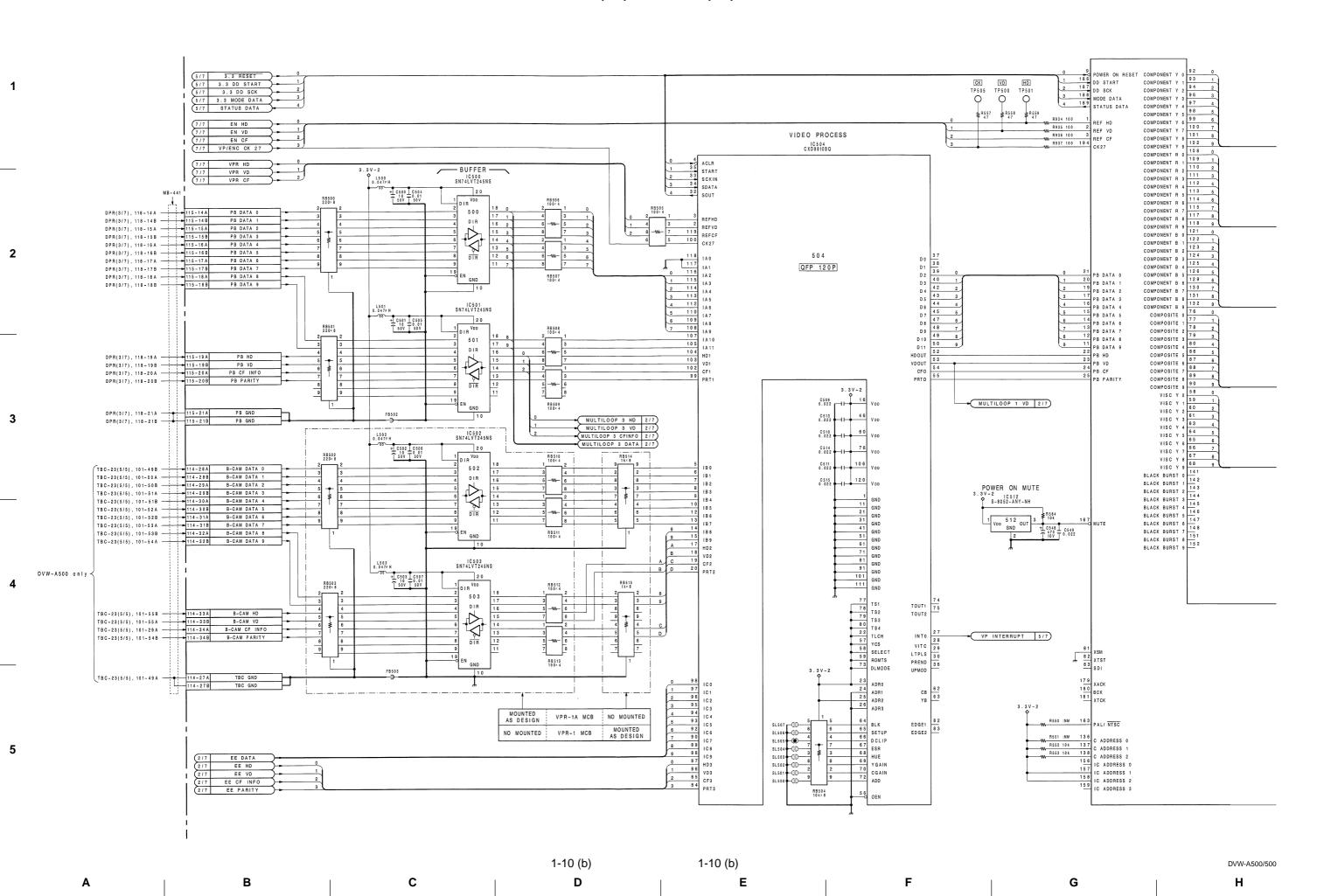


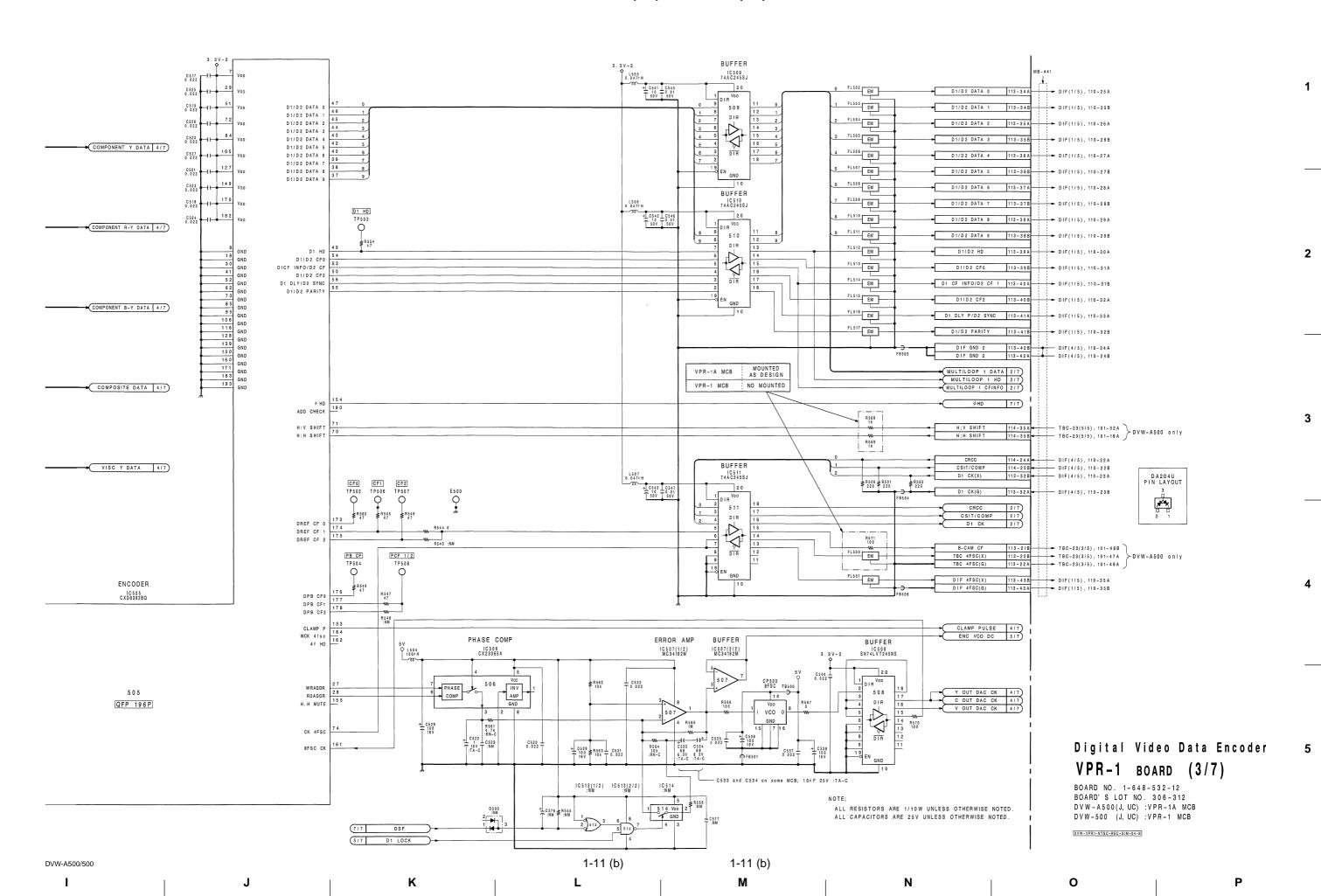








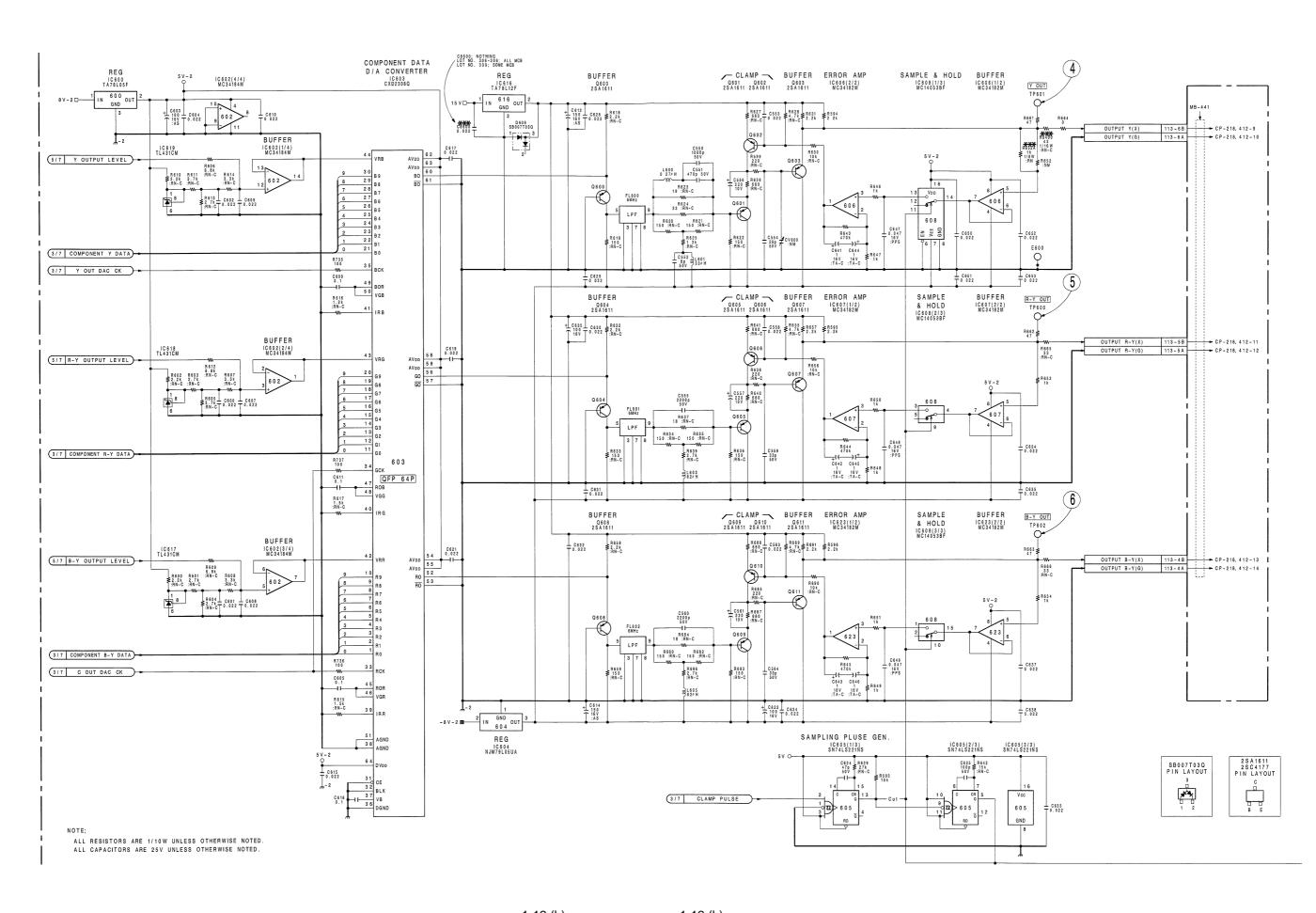




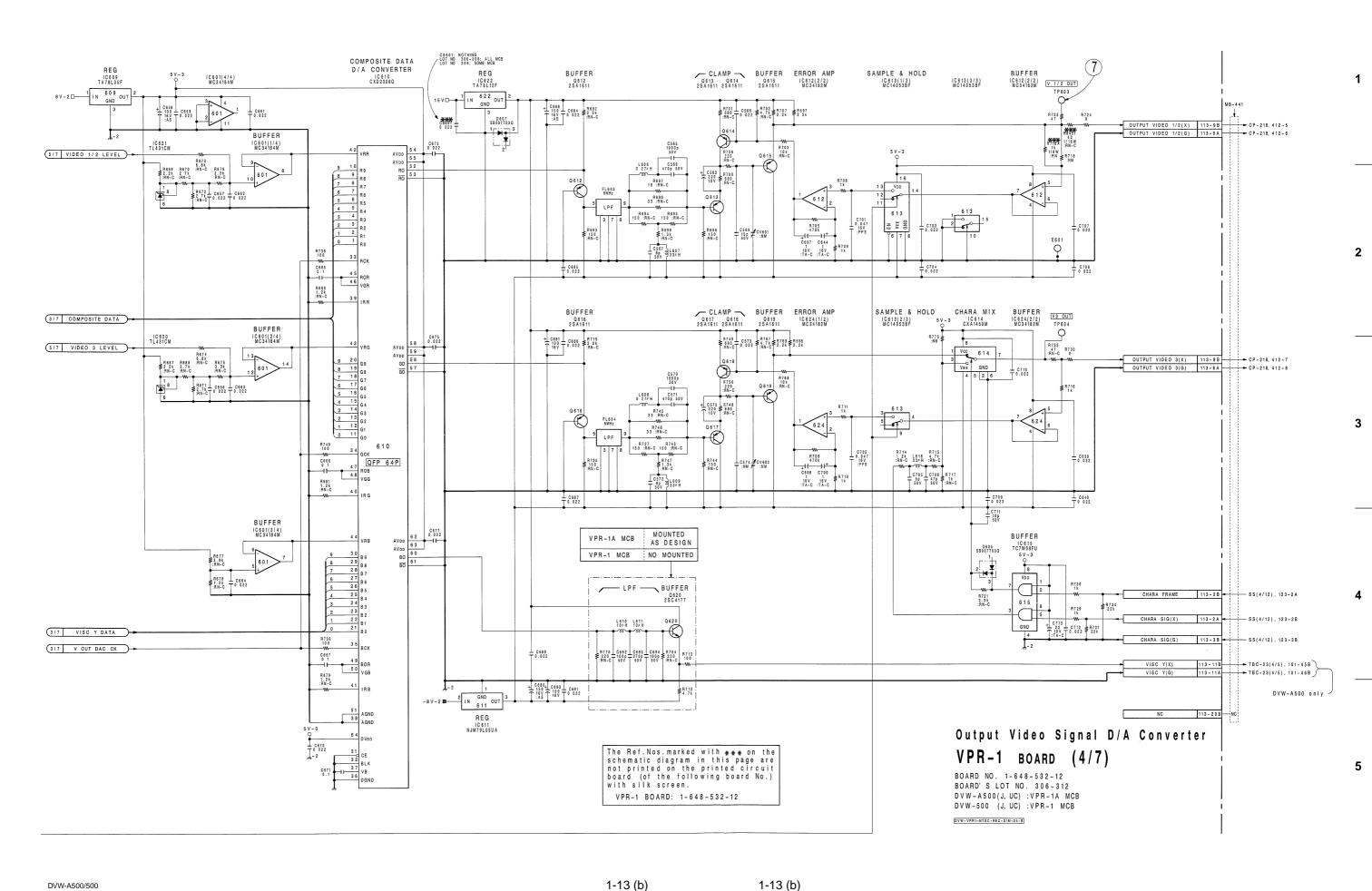
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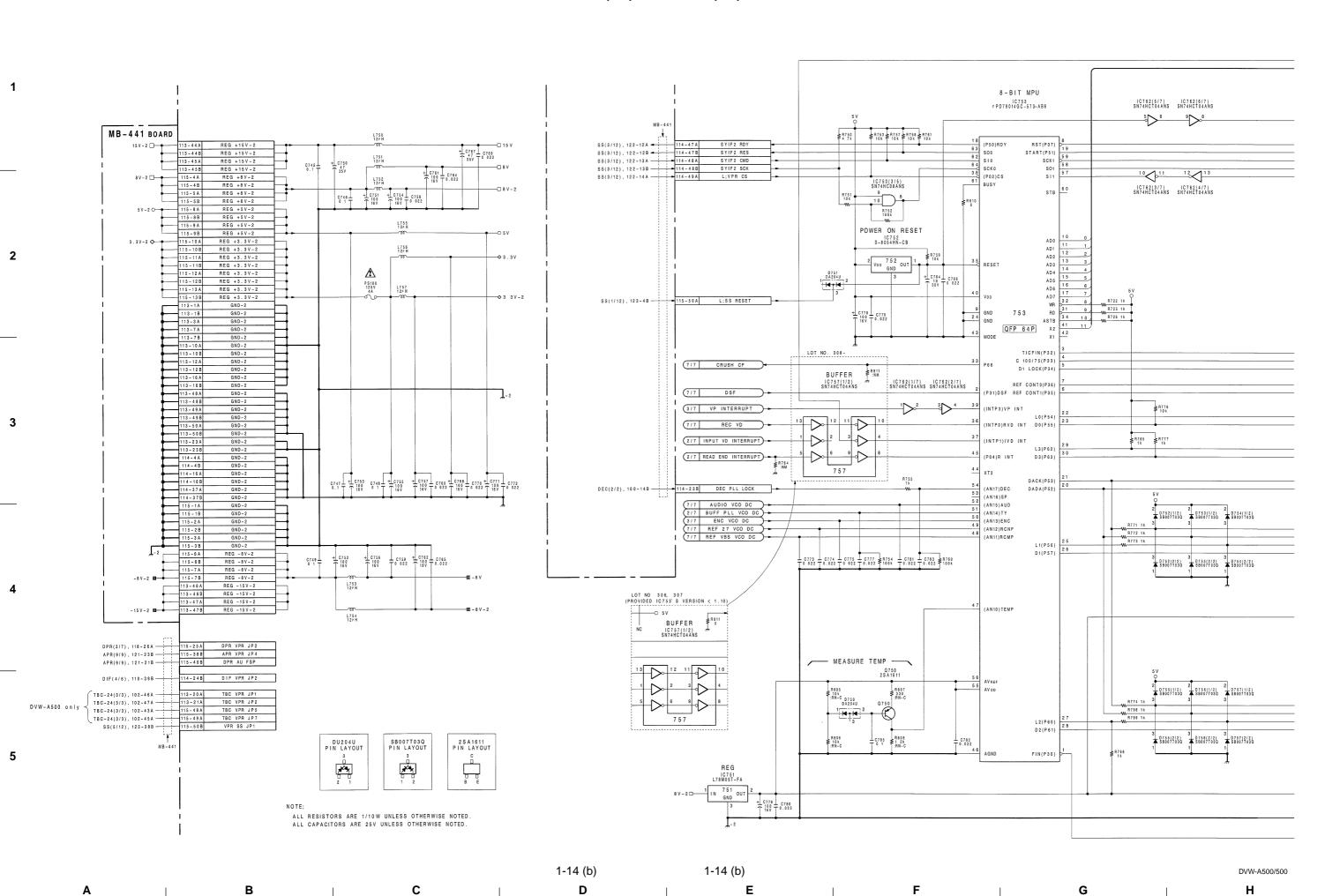
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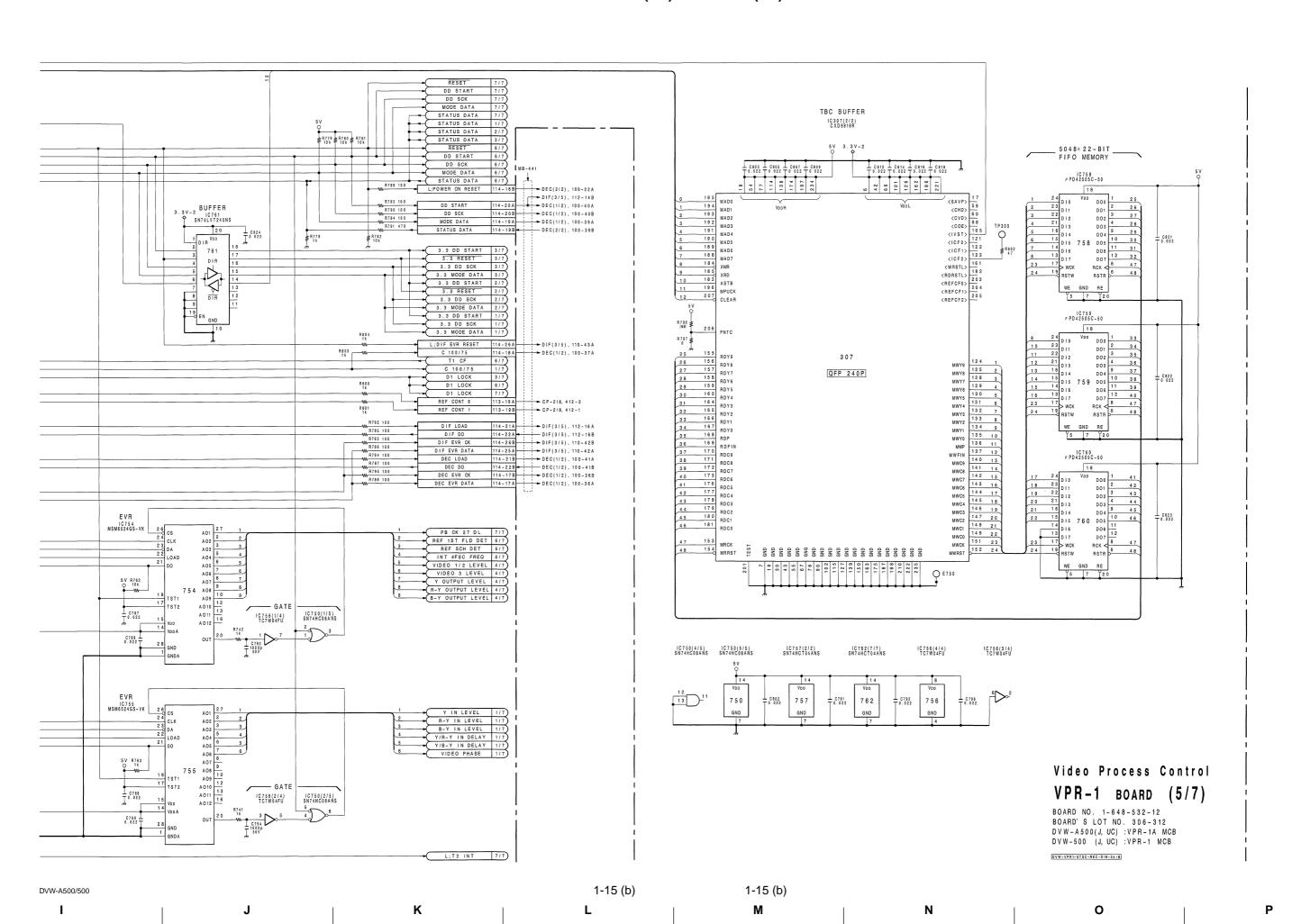


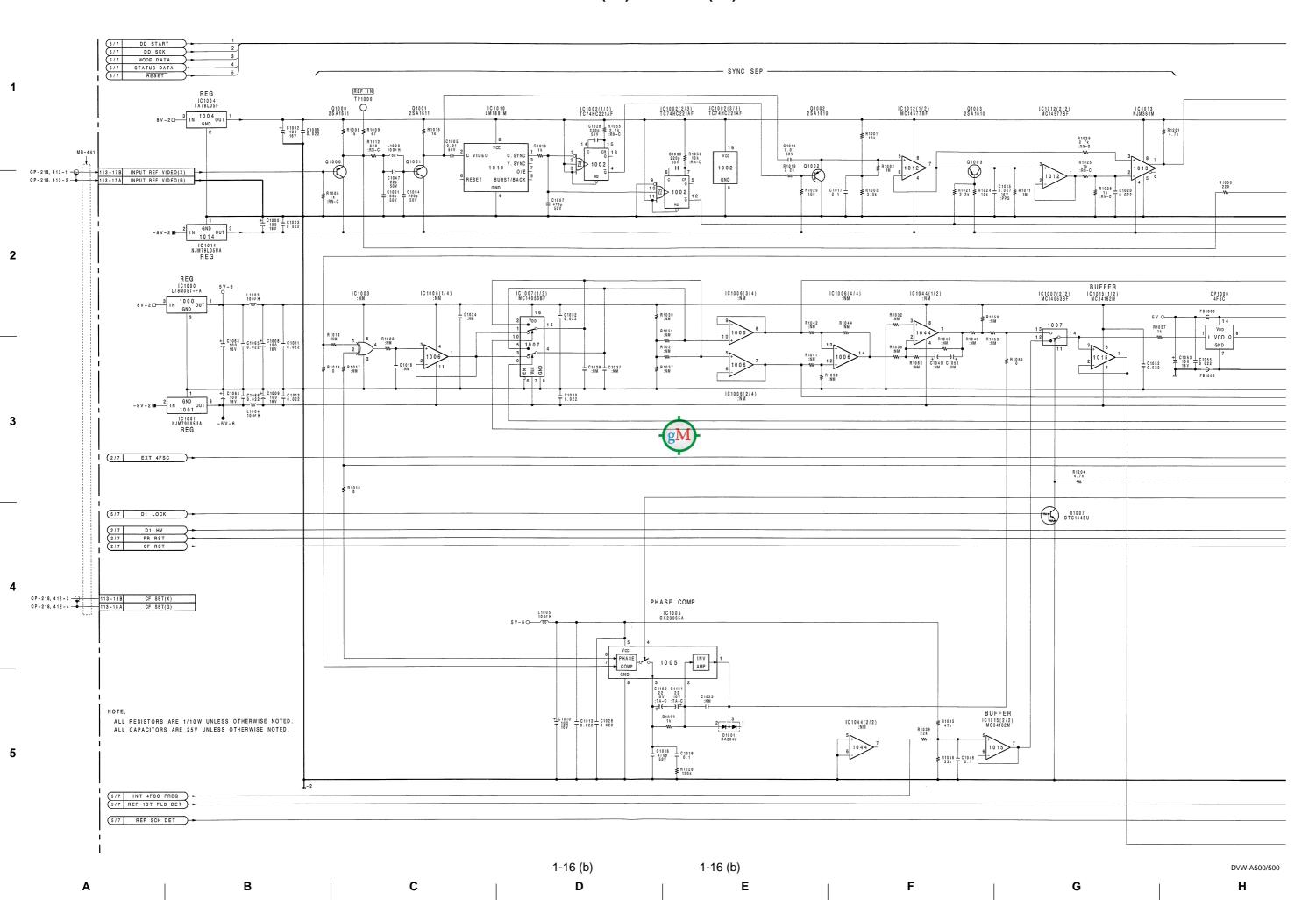
1-12 (b) 1-12 (b) 500/500 F G H

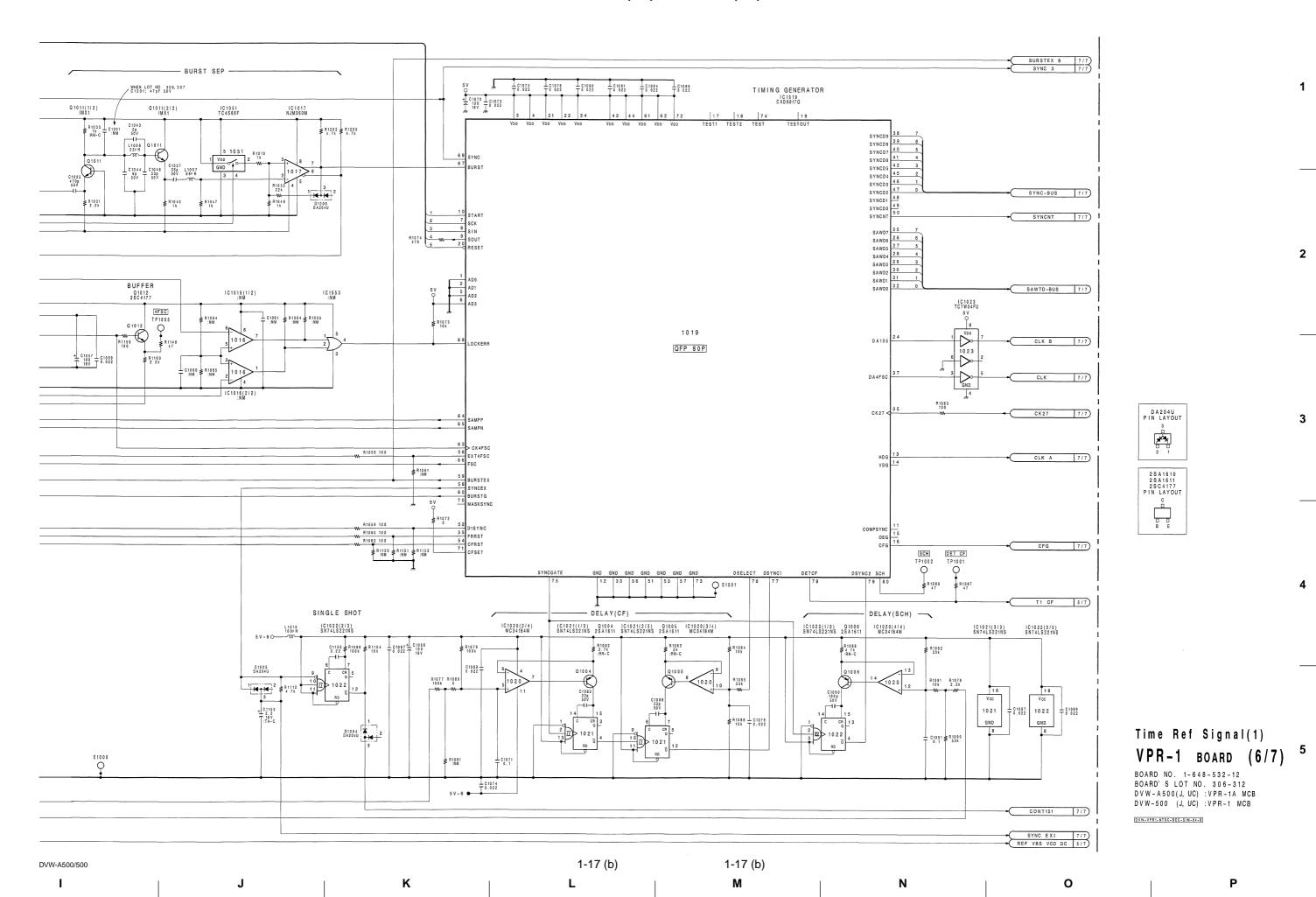


I J K L M N O P





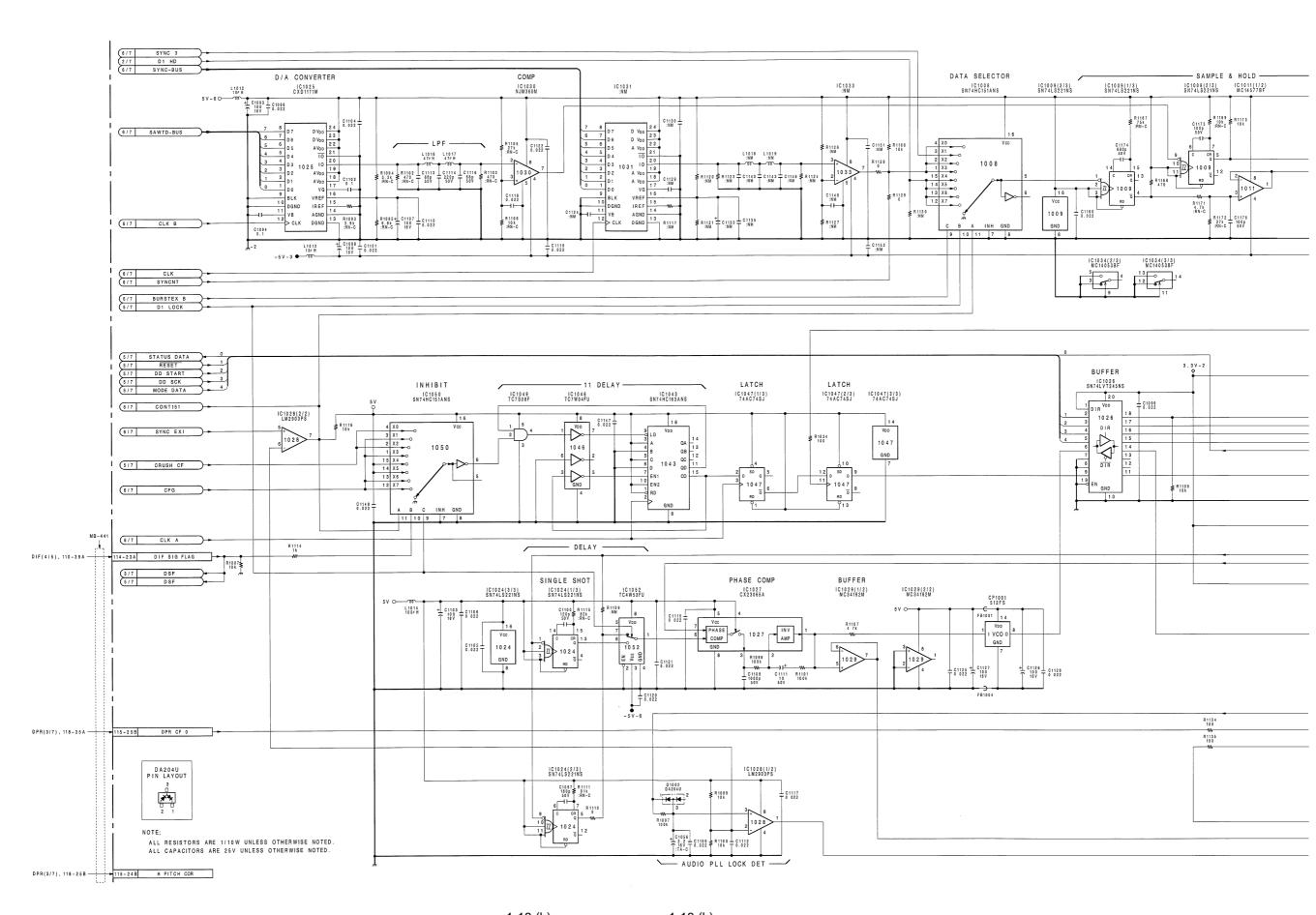




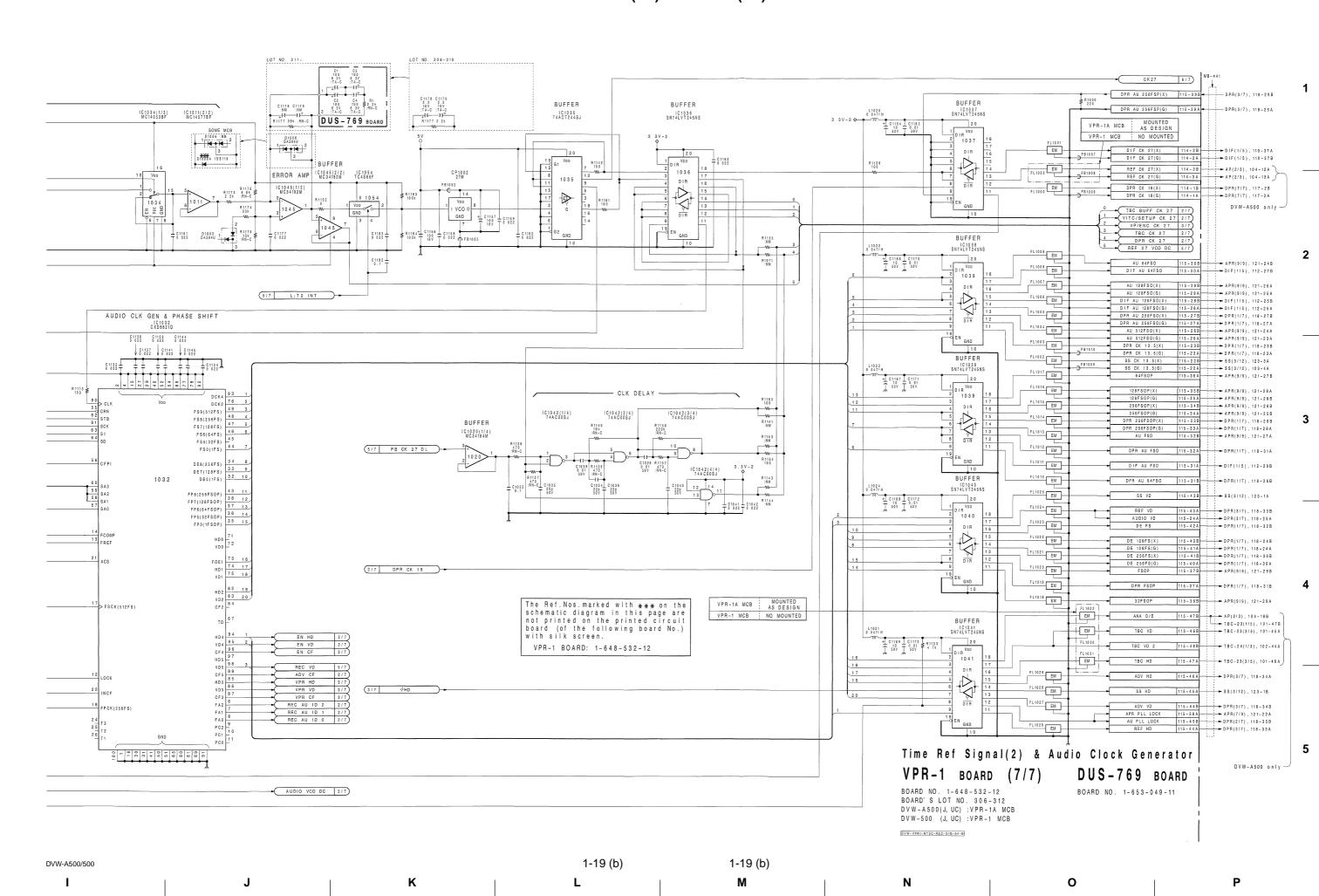
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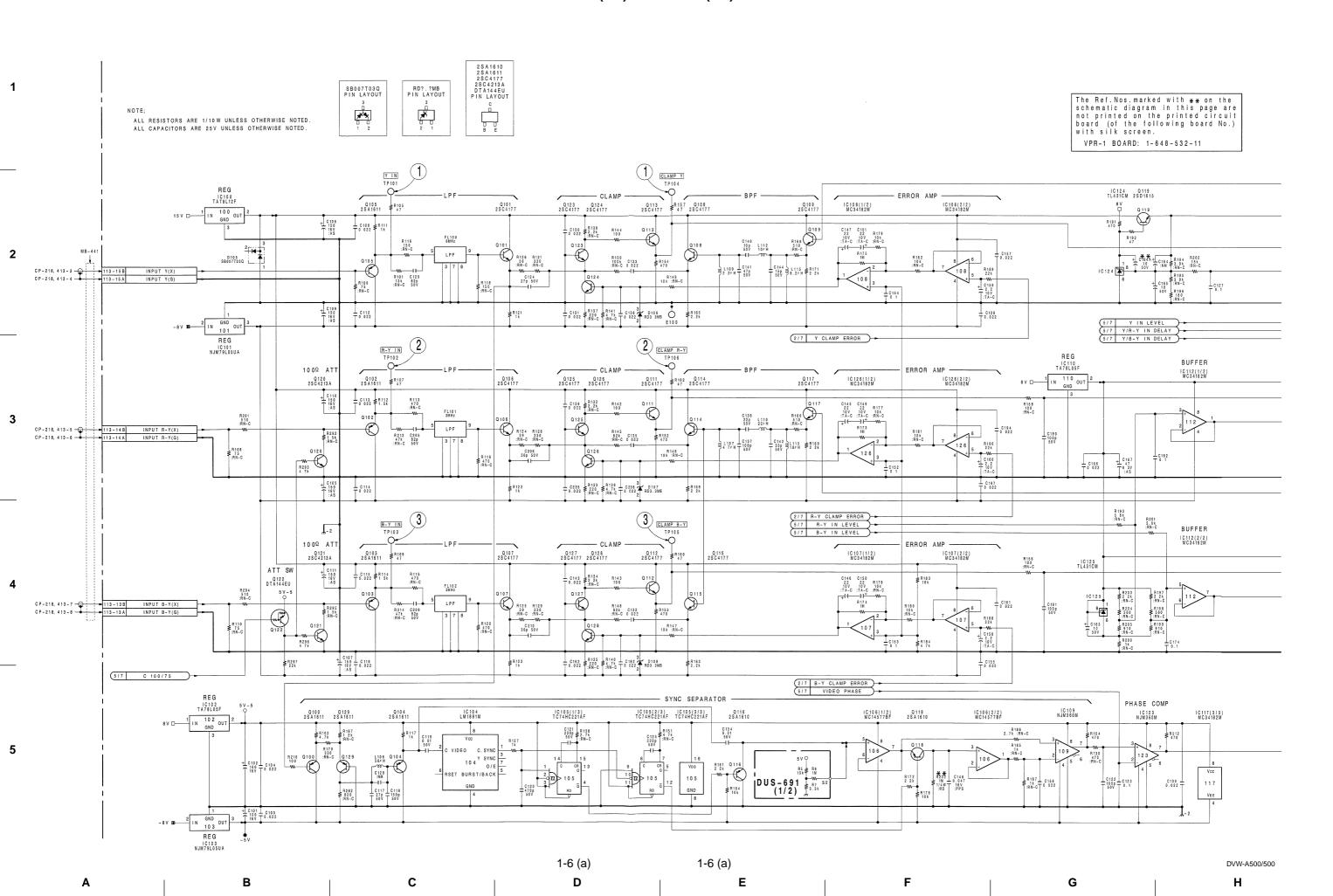
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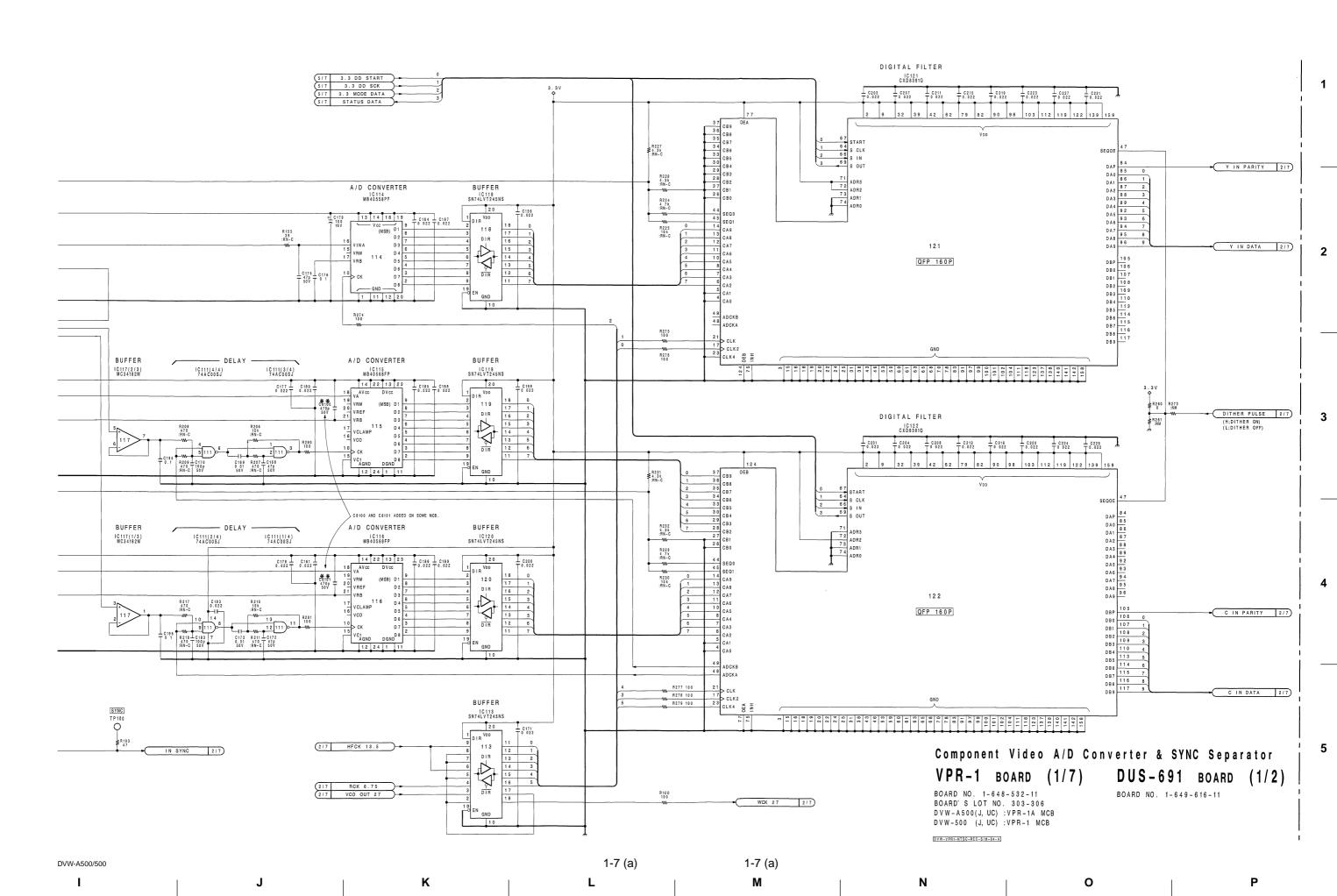
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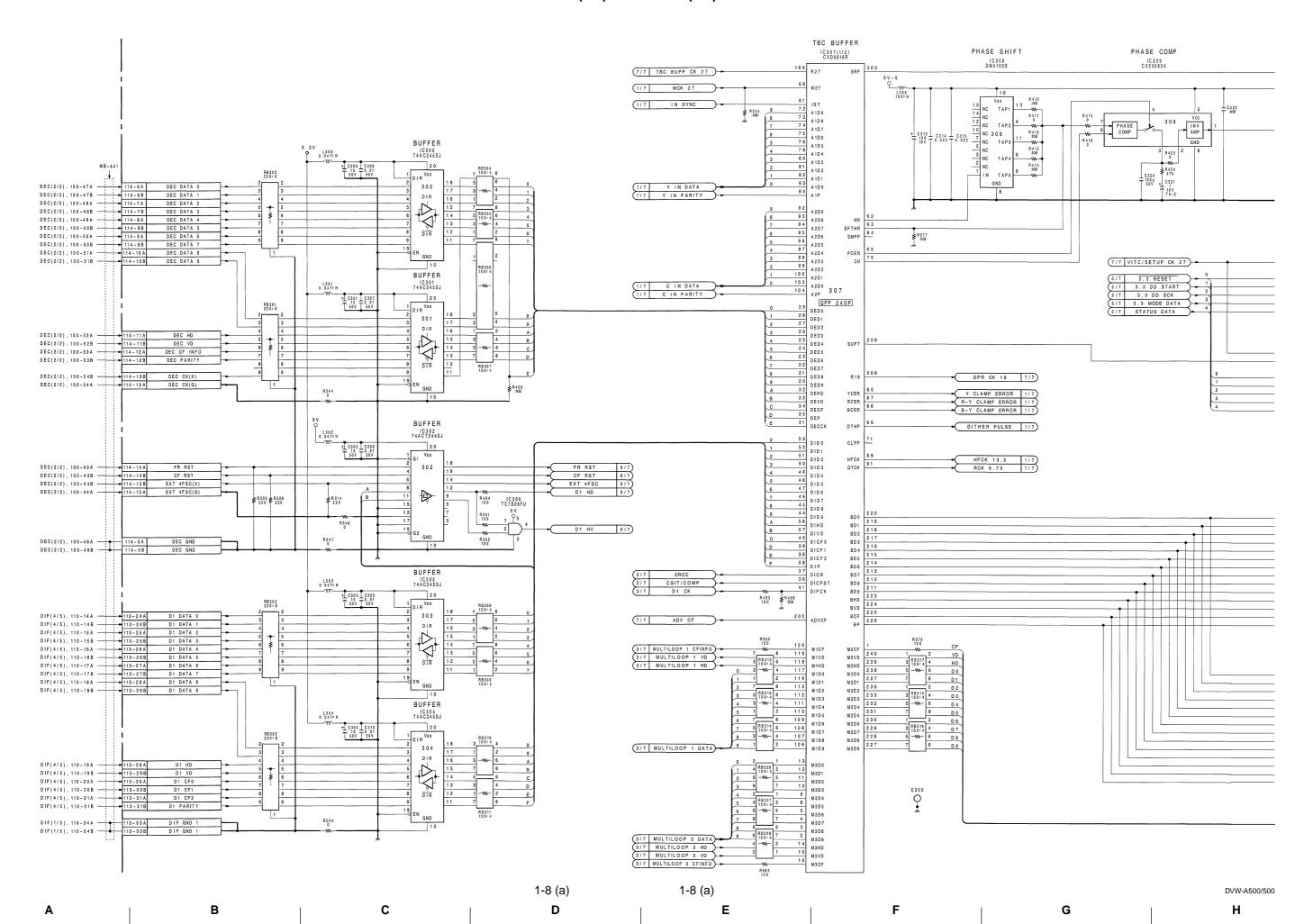


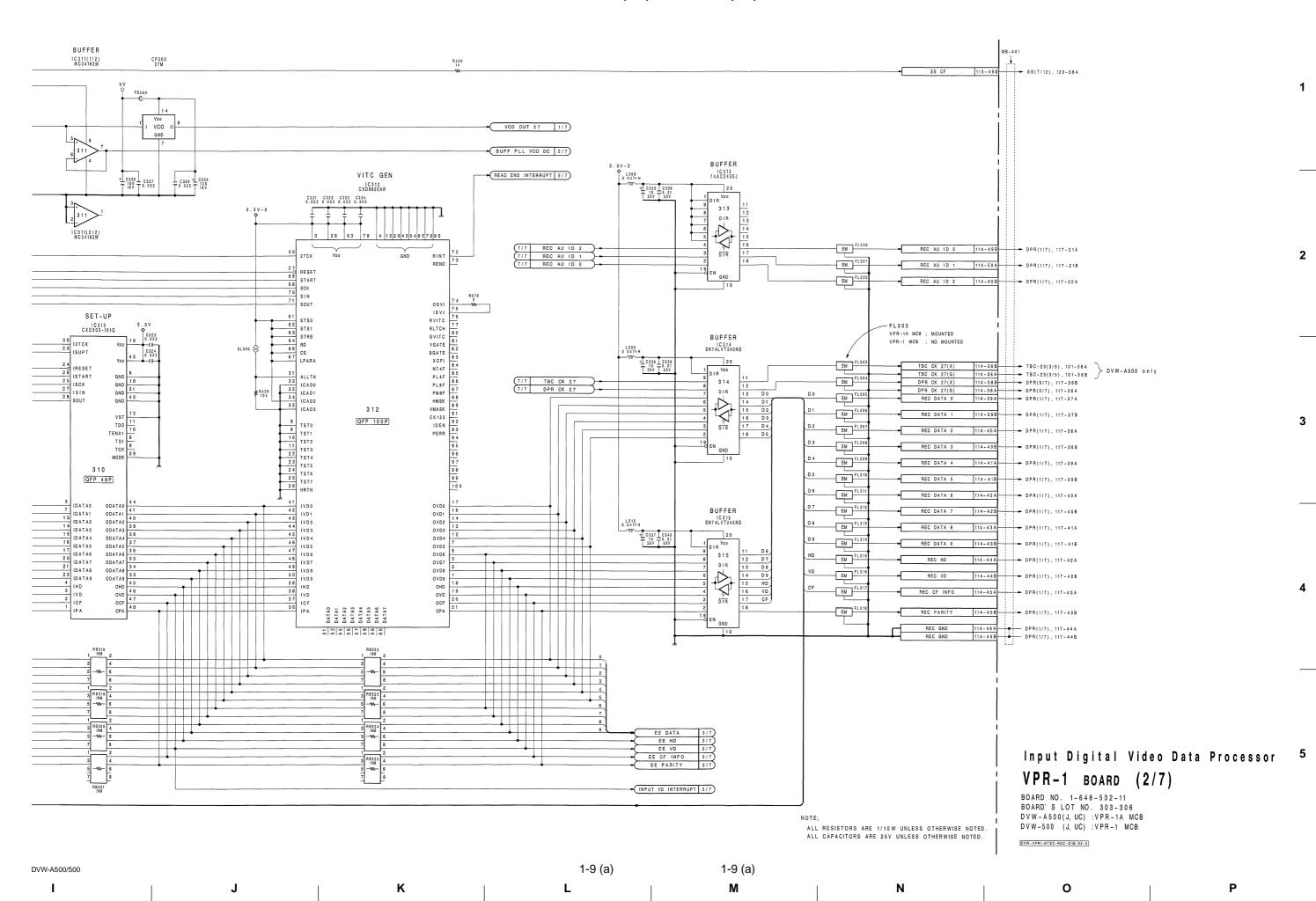
1-18 (b) 1-18 (b) DVW-A500/500 B C D B F G H

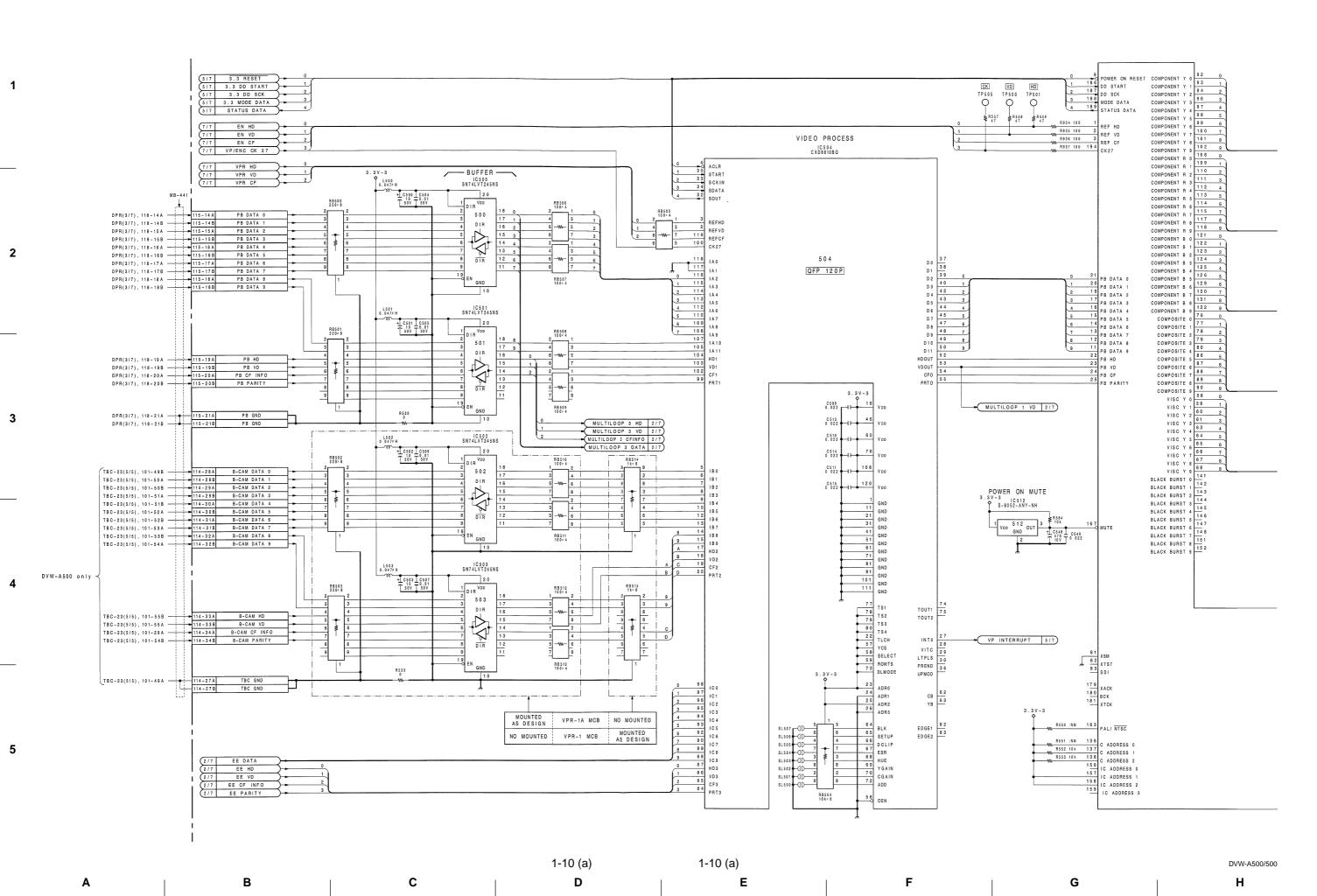


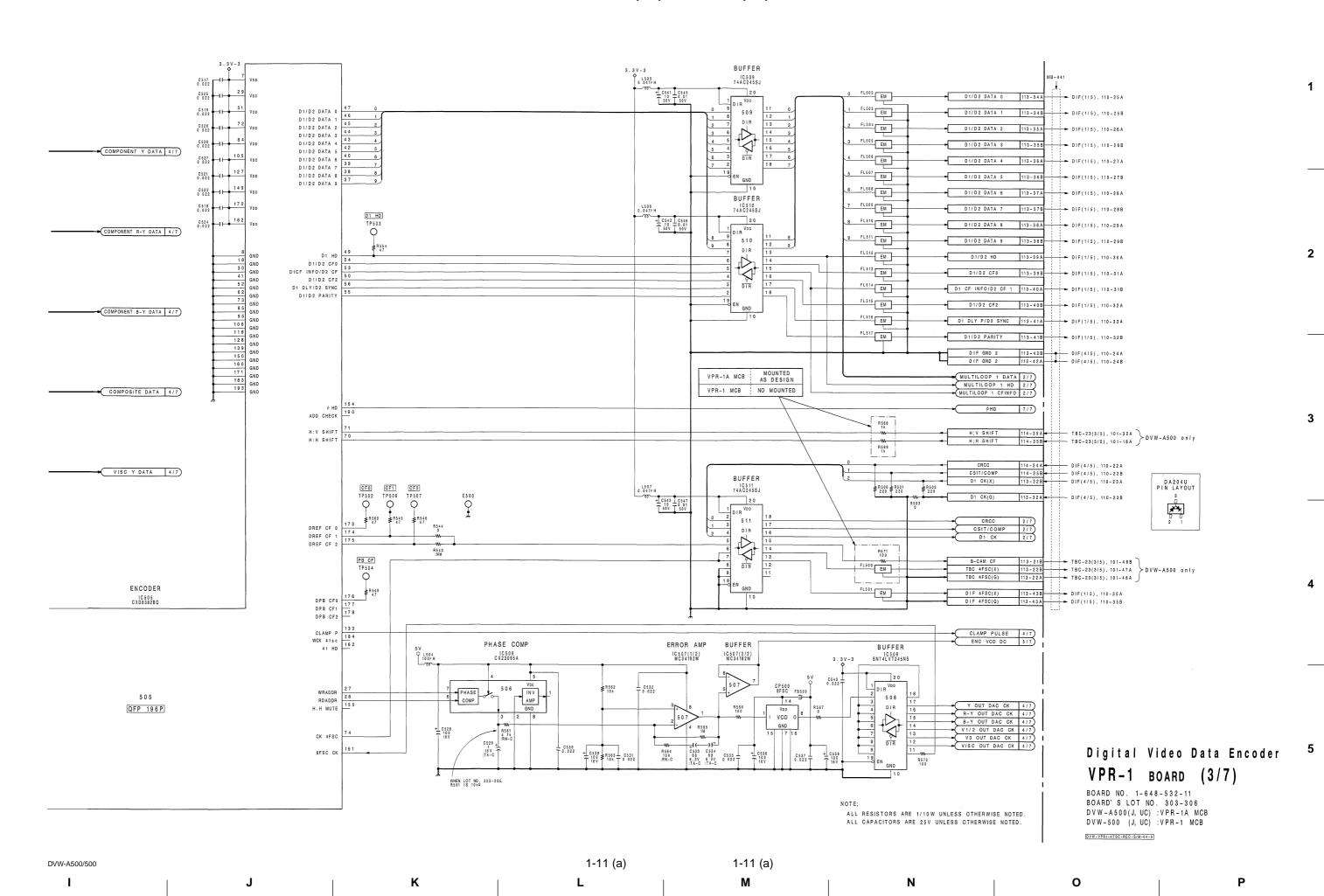


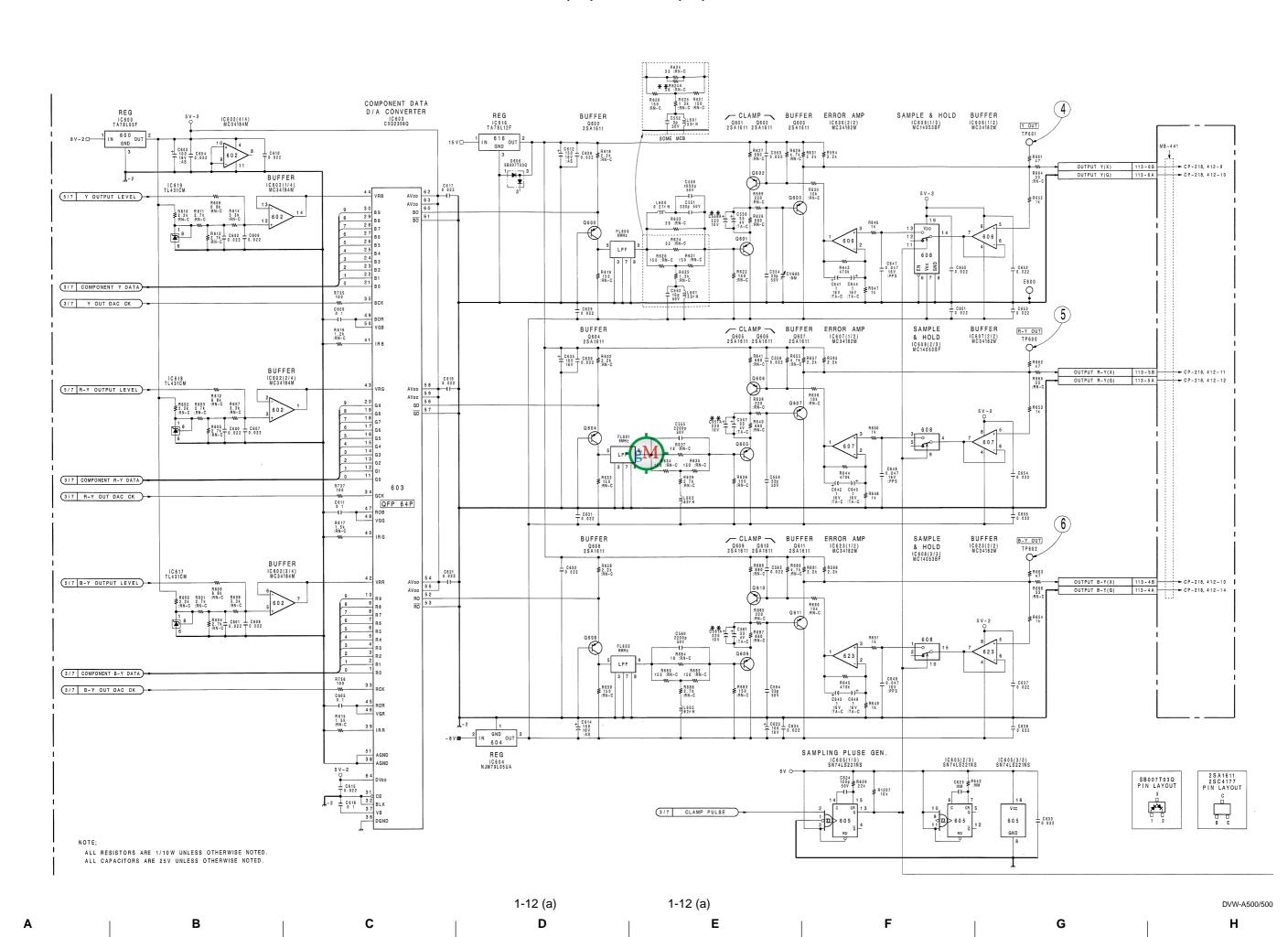


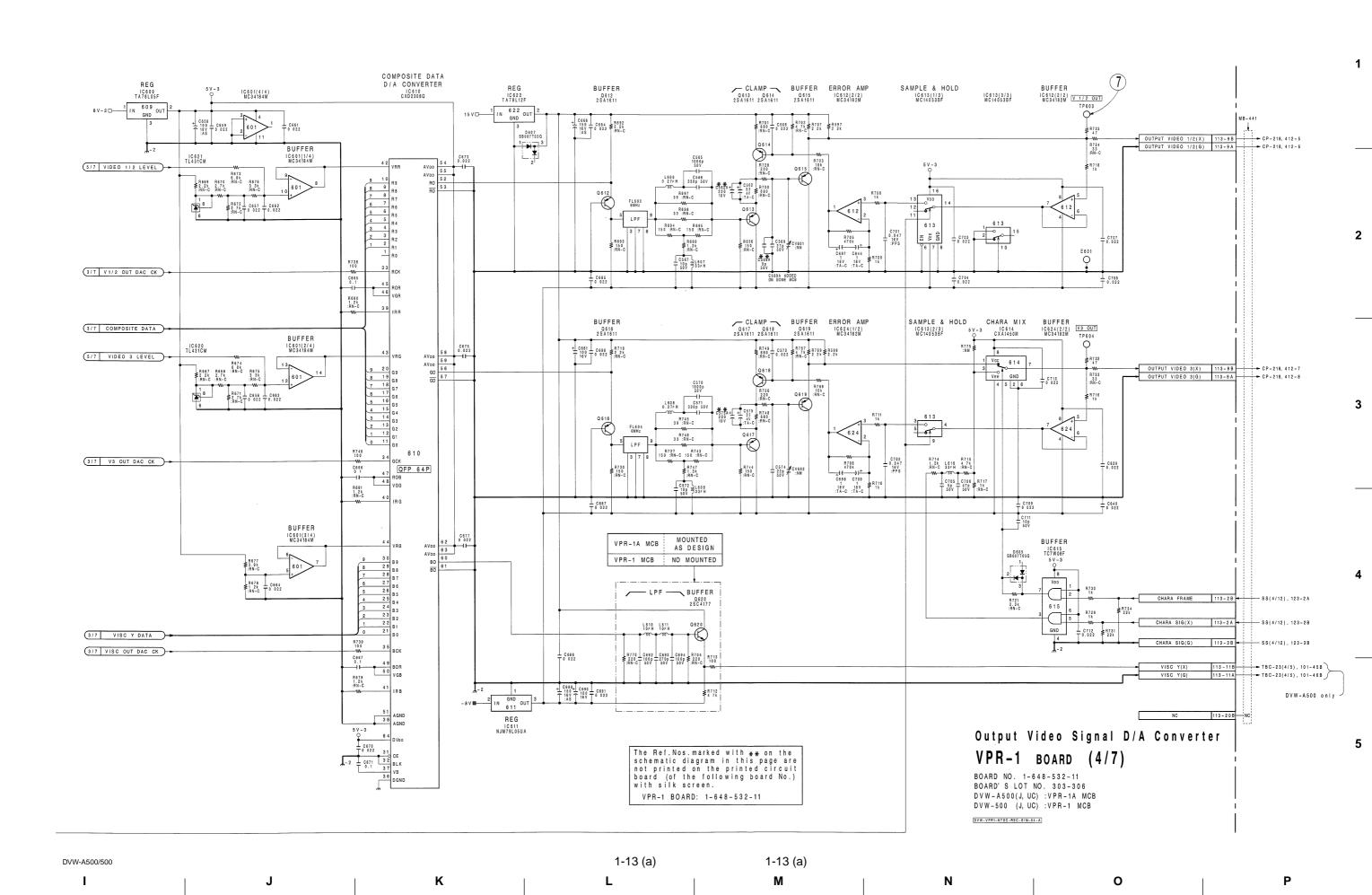


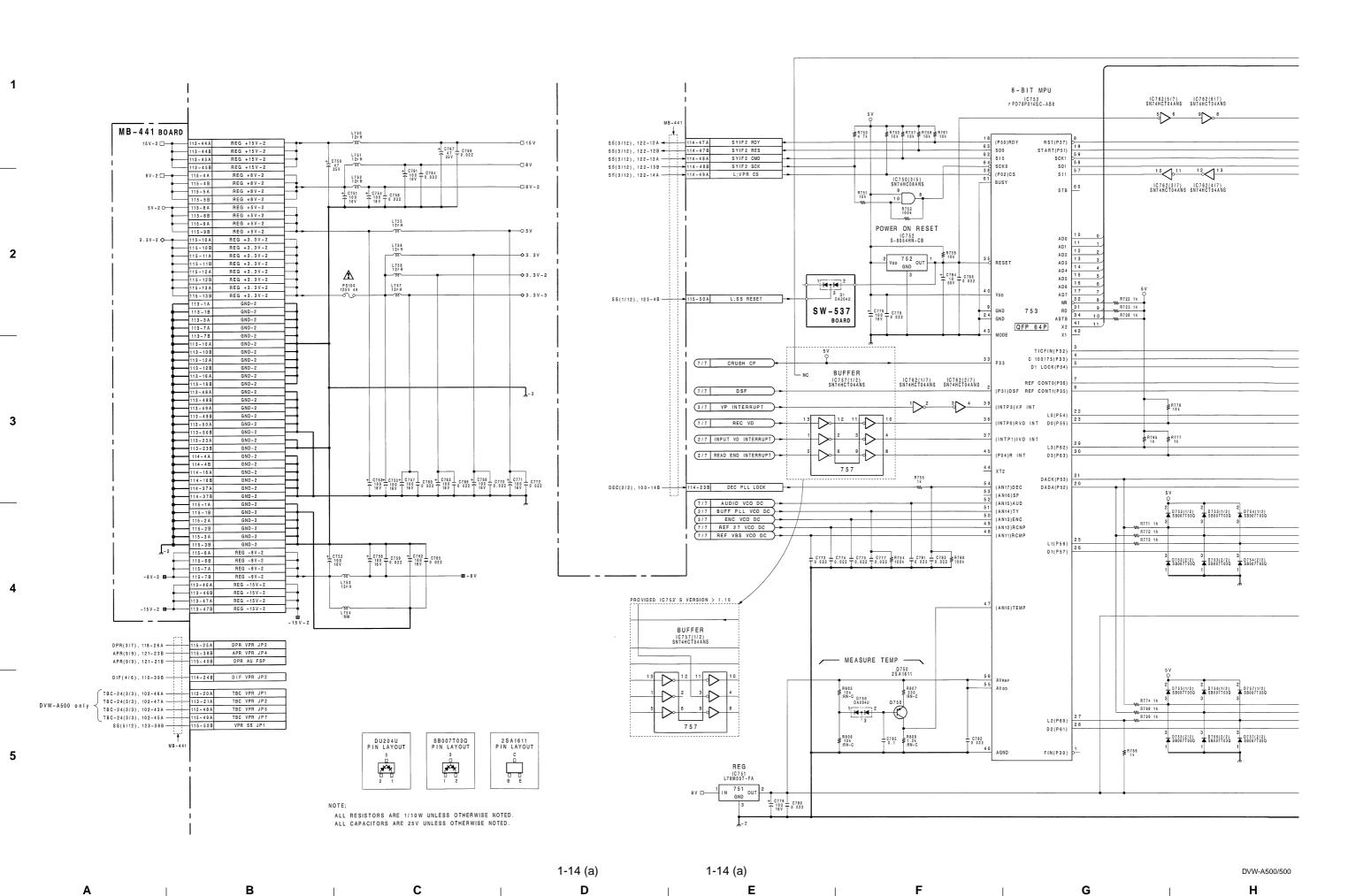


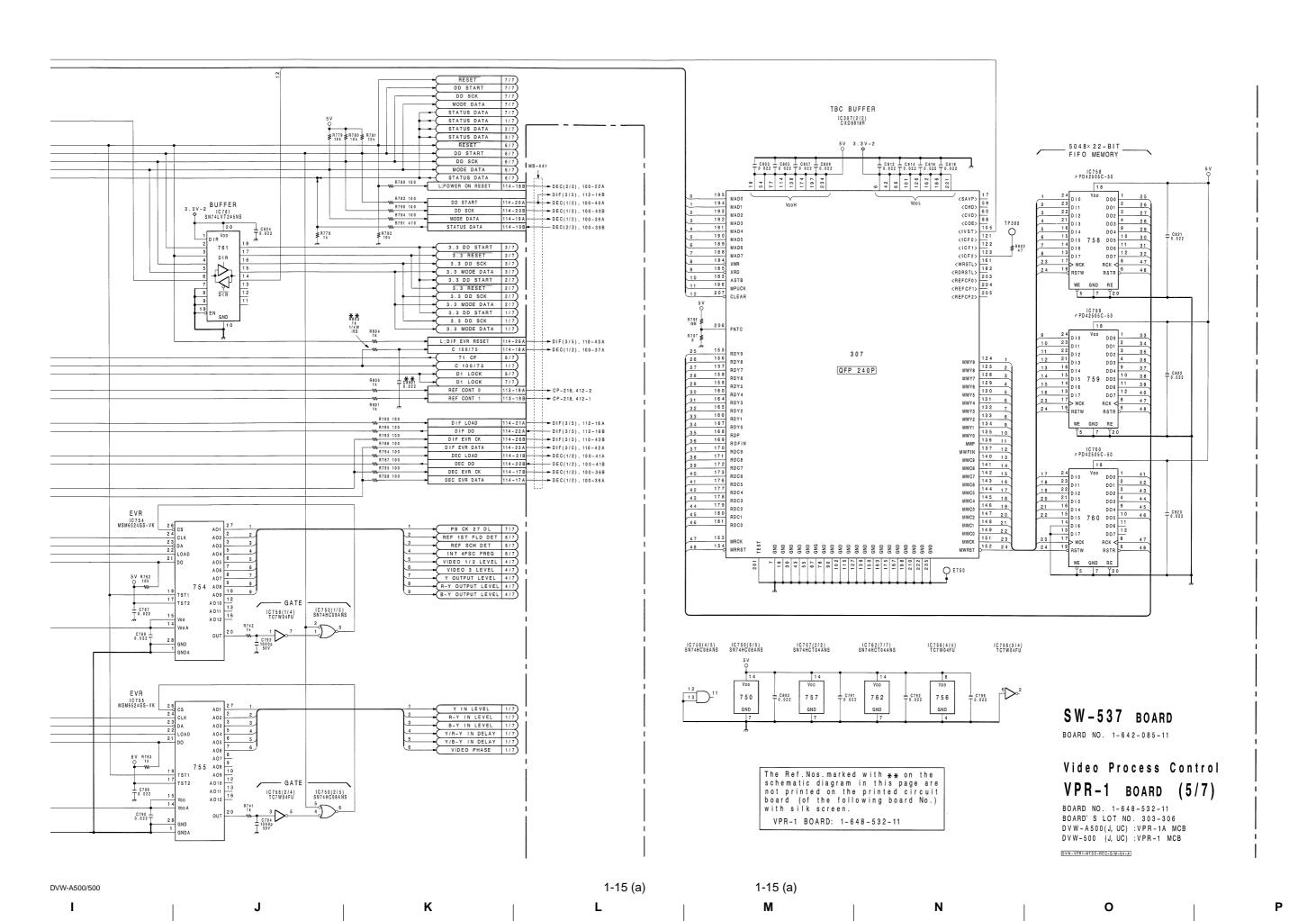


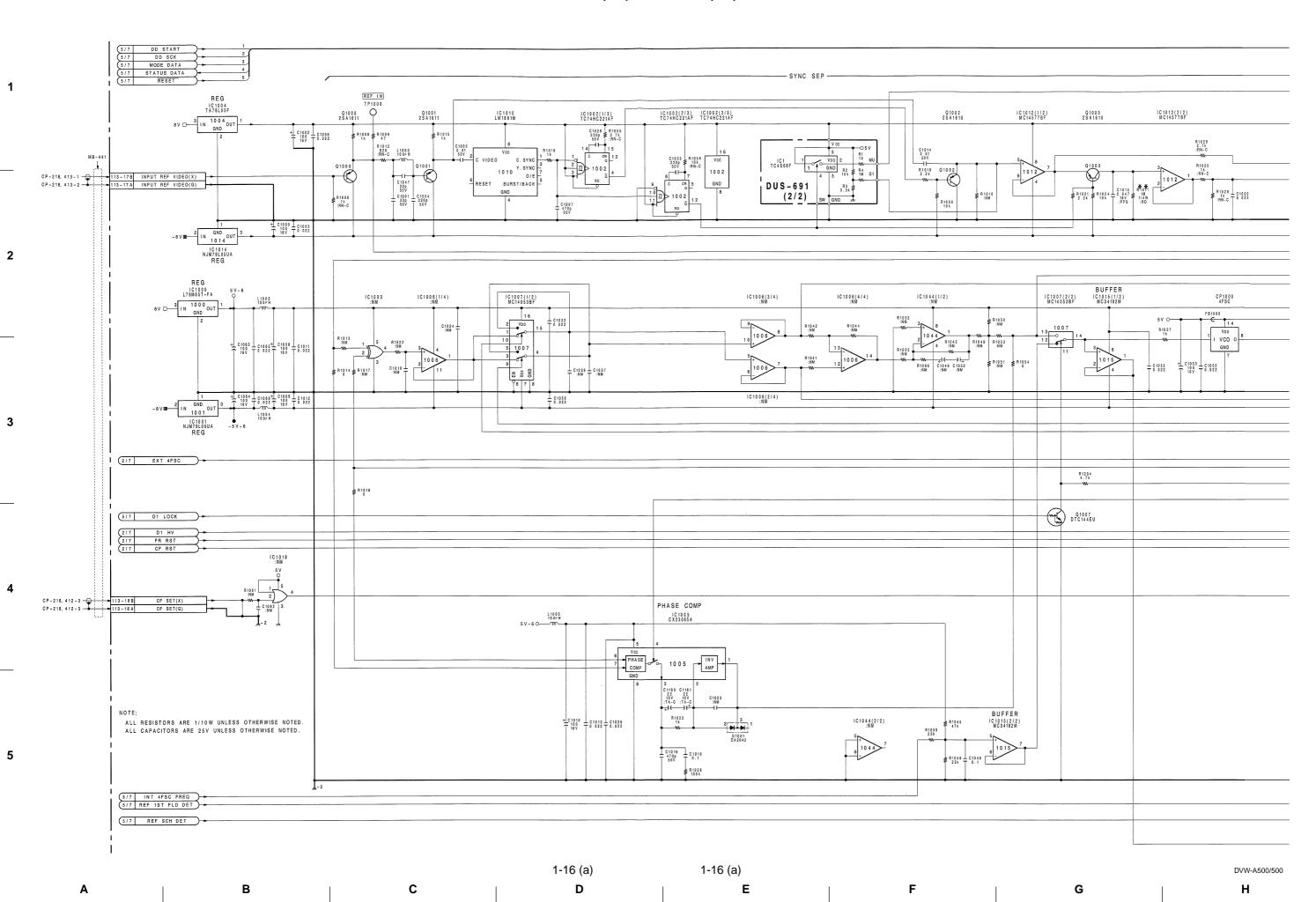


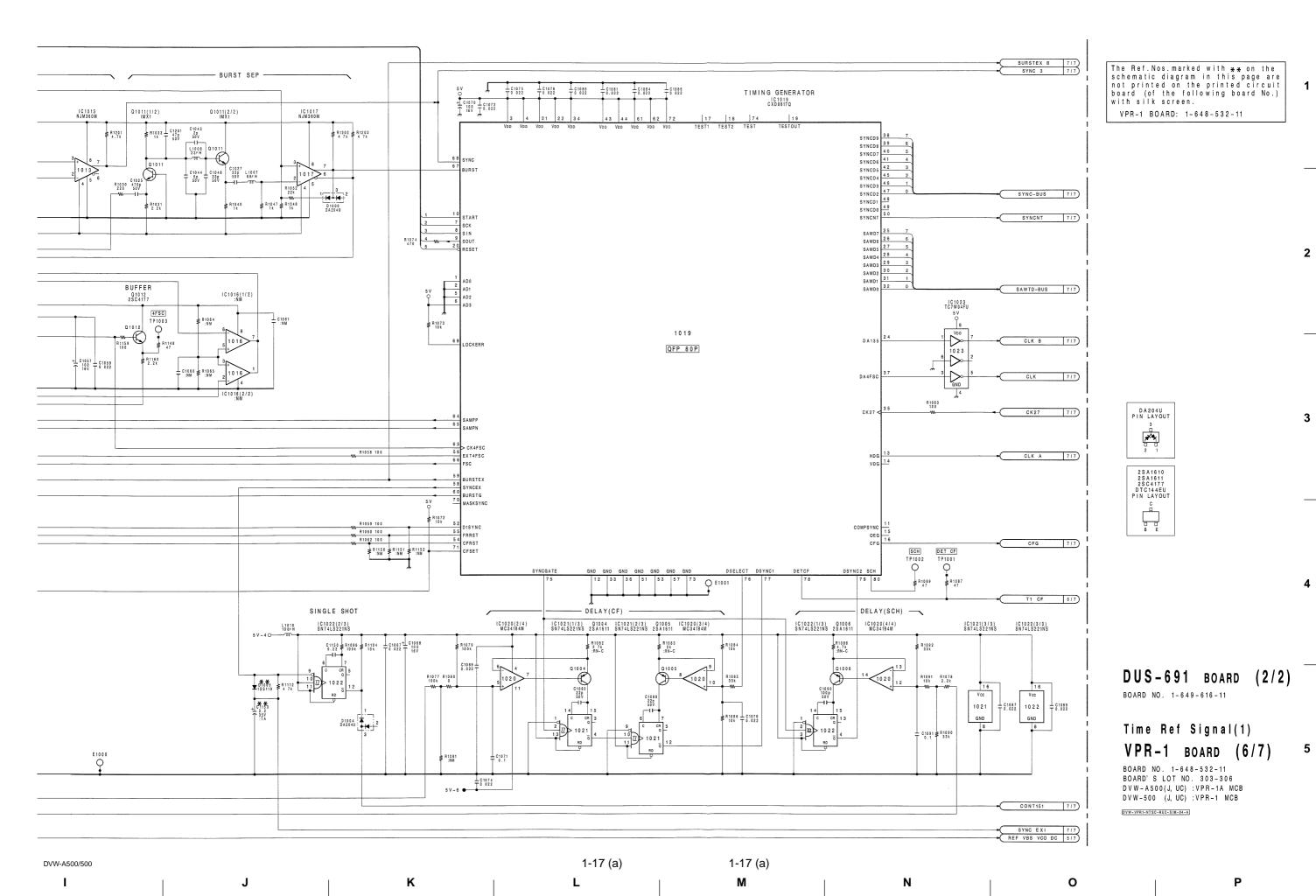


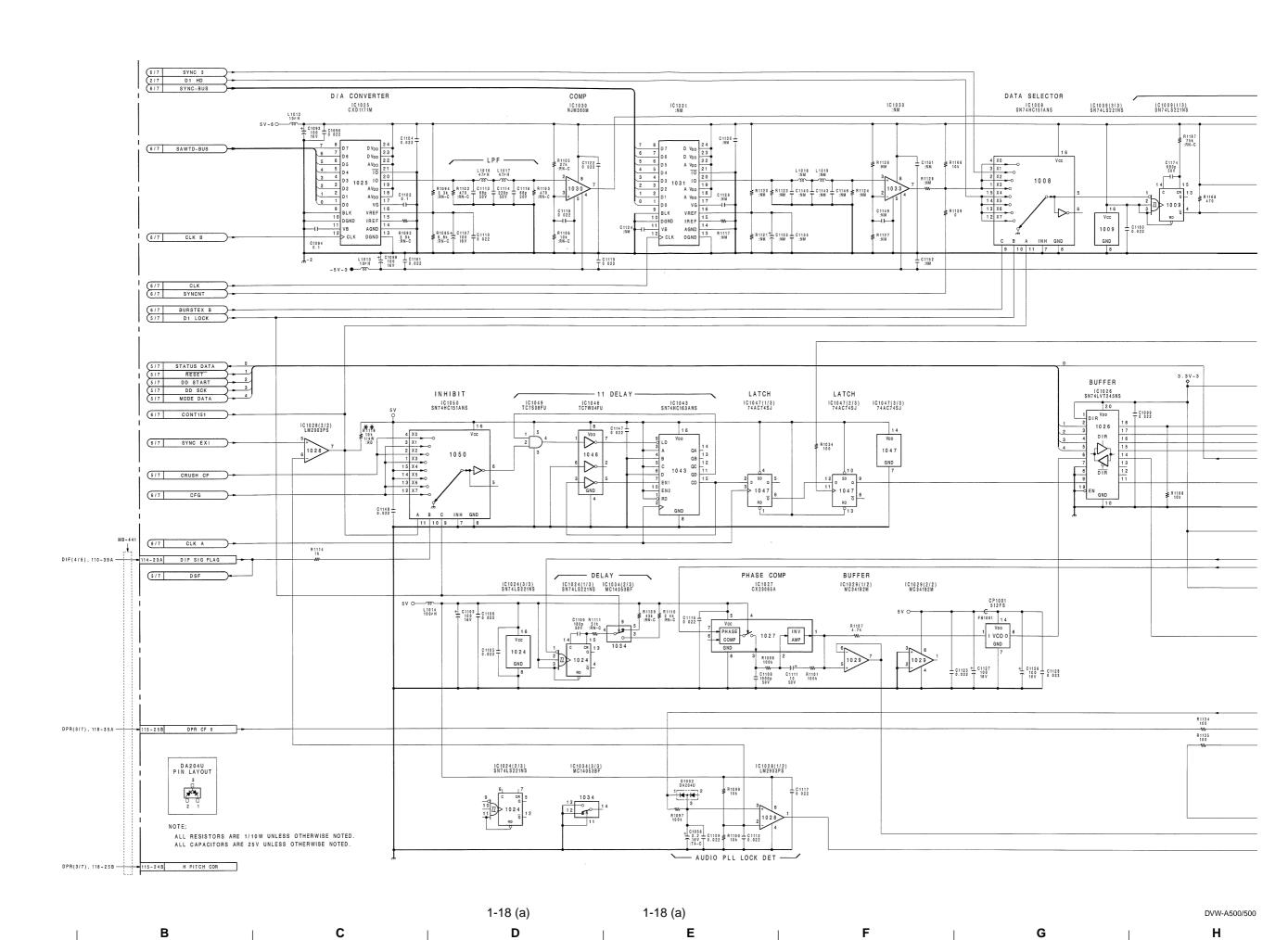


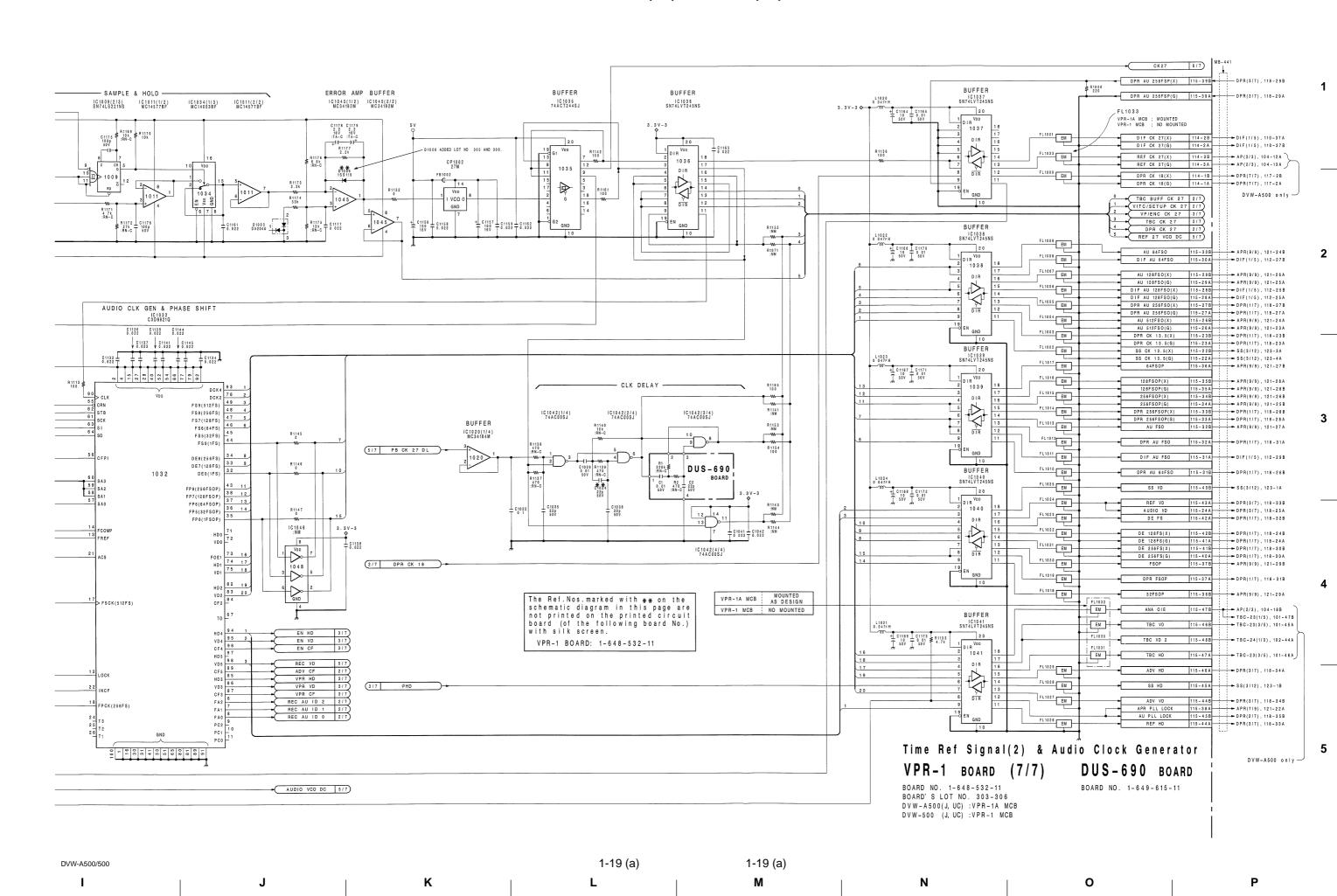












В

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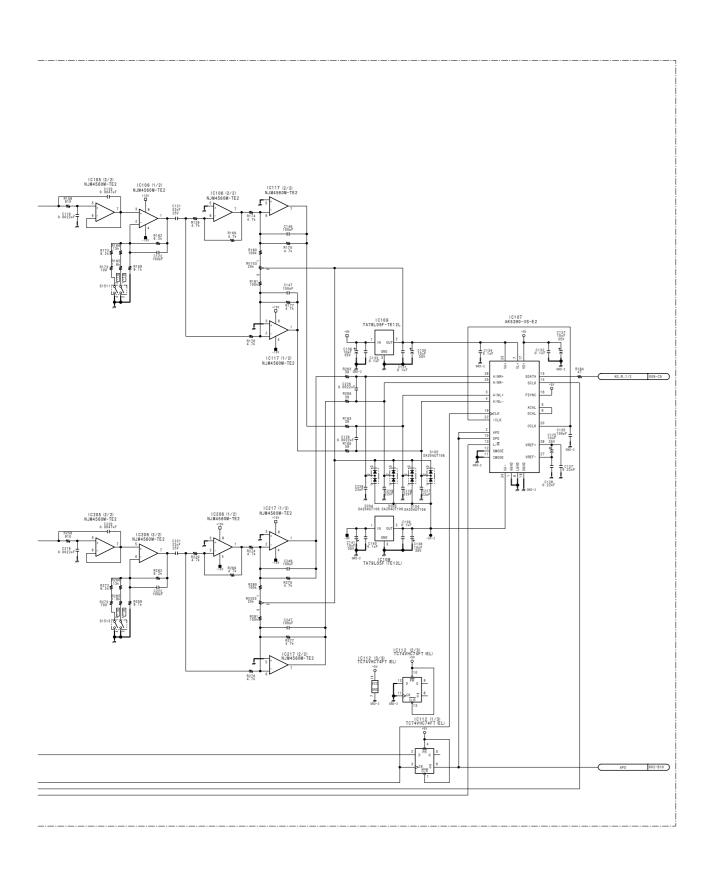
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a	5191 5192 1.C102 1.C22 1.C102 1.C22 1.C22	
CR19 (7/50) 119-14 CPL_LINE_X CR19 (7/50) 119-15 CPL_LINE_X CR19 (7/50) 119-15 CPL_LINE_X CR19 (7/50) 119-25 CPL_LINE_S CR19 (7/50) 119-25 CPL_LINE_S CR119 (7/5/100) 119-25 CPL_LINE_S CR119 (7/5/100) 119-254 CR1_BIC_DB/GFF	100	5,105 (1/2)
CR120 M5/100 T59-334 CR1_REC_0A1N CR120 M5/100 T29-354 REC_0A1R_000	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	228A1213Y-TE12L
097-99 EMPH_BA1 CN119 G3/100 [19-17a B_PB_CM-1_X CN119 G3/100 [19-144 B_PB_CM-1_0	-1dBs 1960 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1C(10 (2/2) P100 NJM45000-TE2
002(6 5 597-90] #-310178L/L-488L00	104 107 107 107 107 107 107 107 107 107 107	\$ 7150 ± 7150 ± 6
CN119 (S-700) 119-34 CR2_LINE_X CN119 (S-700) 119-35 CR2_LINE_X CN119 (7-700) 119-45 CR2_LINE_G CN119 (7-700) 119-45 CR2_LINE_G	0200 1/20 1/20 1/20 1/20 1/20 1/20 1/20	1 C213 R237 0 TuF 4 74 SL205
	R204 +157 1 1 1 1 1 1 1 1 1	8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
CN130 M64/100 [135-335] CN2.56C_0A19. CN130 UT4/100 [125-355] RCC_0A19.000	## MJM5532MD (TE2) ## MJM	2501 - 25
007-90 EBPK_542 CR119 G7/100 ISS-ISA B_FF.CRLX CR119 G8/100 ISS-ISA B_FF.CRLX	-1 dBs	10210 (2/2) N.M4500V-TE2 T 10245 (204) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
00-82.004-82.005-62.007-N10 D101TAL_FILTER_RESET		
003-82 004-82 005-62 009-02 64FS0P 003-82 004-82 005-62 FS0P		

	DVW-A500 DVW-500	DVW-A510	DVW-510	DVW-522
a	MOUNT	NO MOUNT	NO MOUNT	NO MOUNT
(b)	MOUNT	MOUNT	NO MOUNT	NO MOUNT
C	MOUNT	MOUNT	MOUNT	NO MOUNT

1-20 (b) 1-20 (b) DVW-A500/500 **F G H**



CH-1/CH-2 A/D Convert APR-1 BOARD (1/9)

0

BOARD NO. 1-648-534-16
BOARD'S LOT NO. 910DVW-A500 (J. UC) : APR-1 MCB
DVW-A500P (EK) : APR-1 MCB
DVW-500P (UC) : APR-1 MCB
DVW-500P (EK) : APR-1 MCB
DVW-500P (EK) : APR-1 MCB
DVW-500P (EK) : APR-1 MCB
DVW-500P (UC) : APR-1 MCB

2

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(b) C 1-22 (b) DVW-A500/500

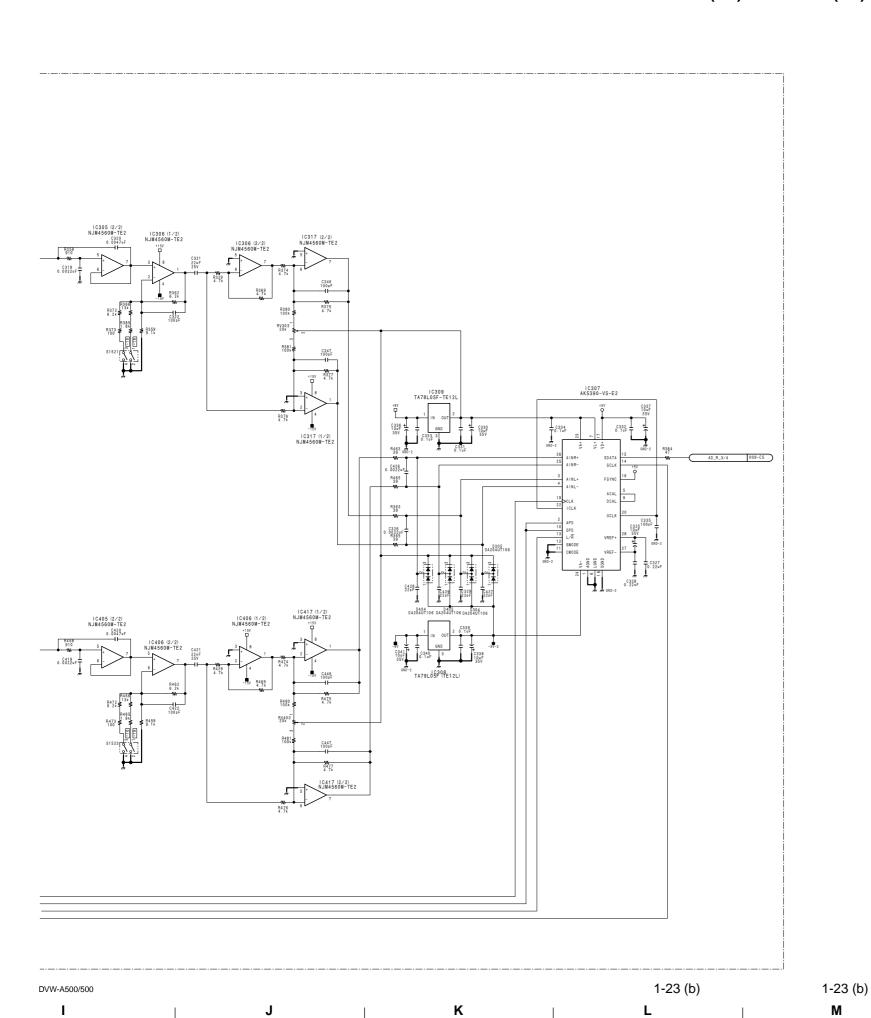
В

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1-22 (b)

G



CH-3/CH-4 A/D Convert APR-1 BOARD (2/9)

0

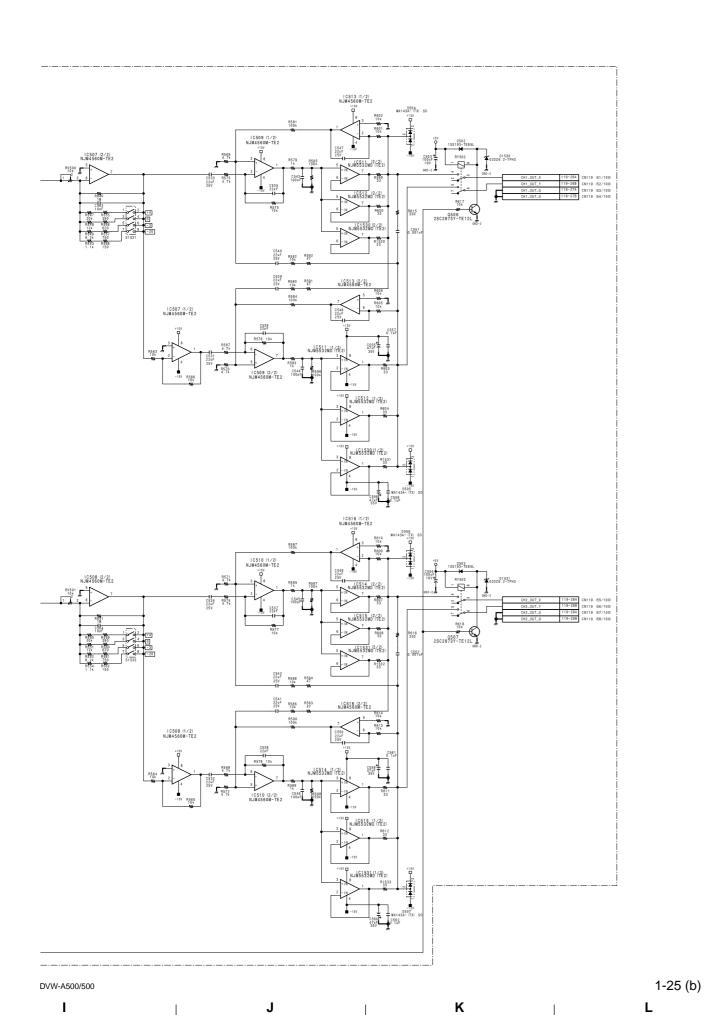
BOARD NO. 1-648-534-16
BOARD'S LOT NO. 910DVW-A500 (J. UC): APR-1 MCB
DVW-A500P (EK): APR-1 MCB
DVW-A500P (UC): APR-1 MCB
DVW-500P (UC): APR-1 MCB
DVW-500P (EK): APR-1 MCB
DVW-500P (EK): APR-1 MCB
DVW-500P (UC): APR-1 MCB

4

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Р

1-24 (b) 1-24 (b) 500/500 B C D E F G H



CH-1/CH-2 D/A Convert & Output Drive APR-1 BOARD (3/9)

BOARD NO. 1-648-534-16
BOARD'S LOT NO. 910DVW-A500 (J. UC) : APR-1 MCB
DVW-A500PP (EK) : APR-1 MCB
DVW-A500PP (UC) : APR-1 MCB
DVW-500P (UC) : APR-1 MCB
DVW-500P (EK) : APR-1 MCB
DVW-500P (EK) : APR-1 MCB
DVW-500P (UC) : APR-1 MCB

25 (b) 1-25 (b)

1

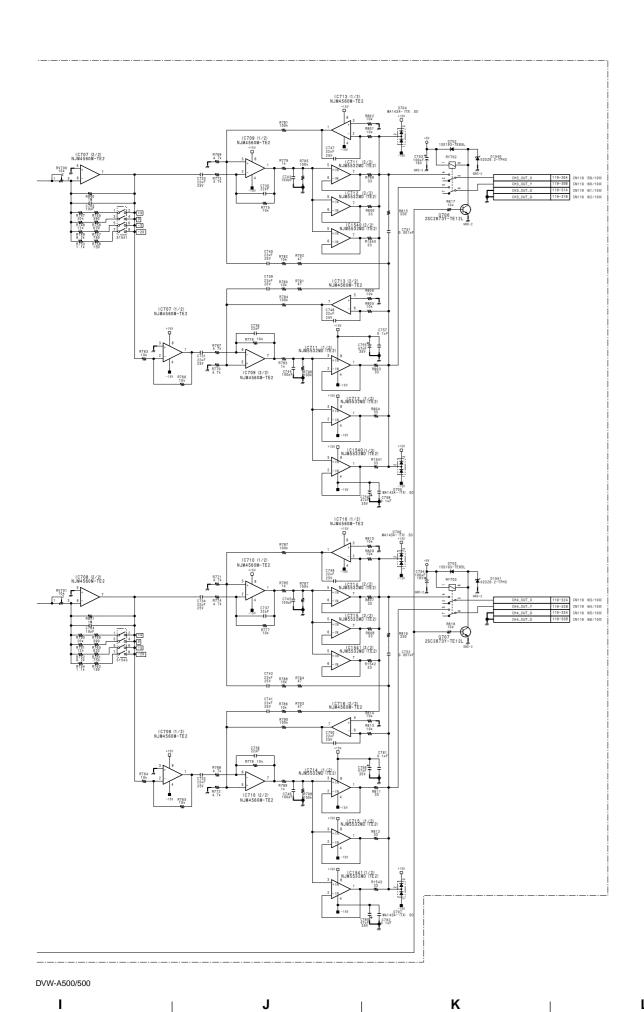
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1-26 (b) 1-26 (b) DVW-A500/500 F G H



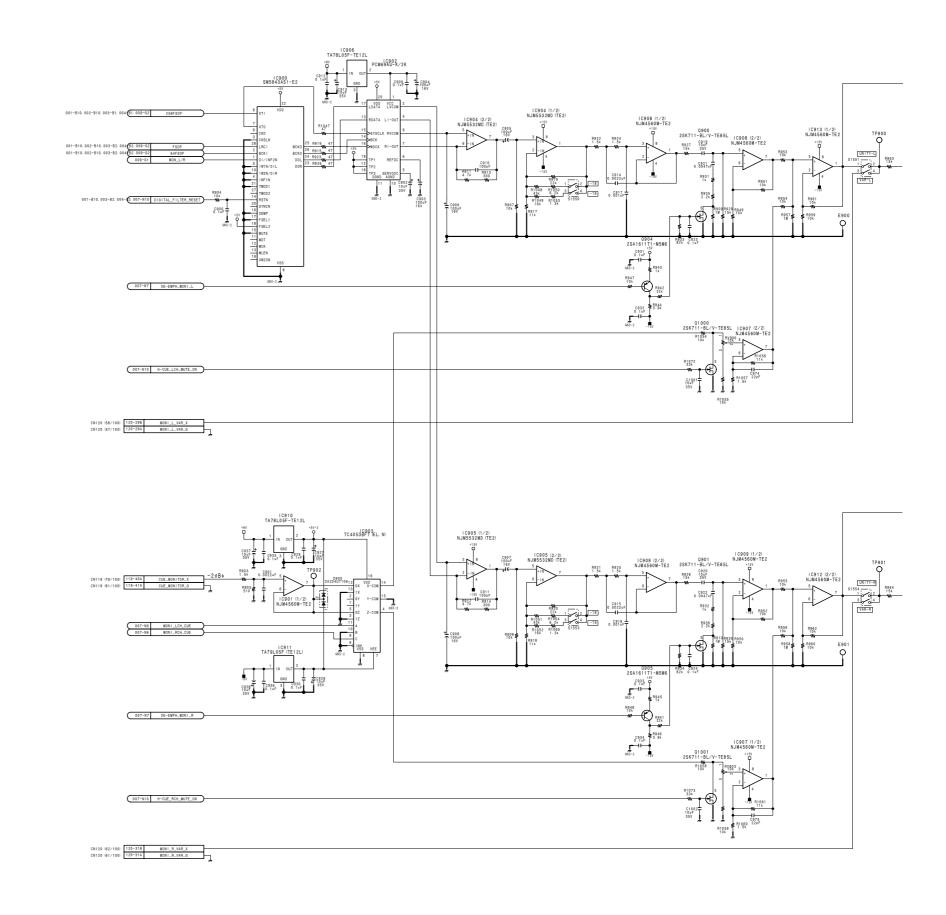
CH-3/CH-4 D/A Convert & Output Drive APR-1 BOARD (4/9)

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BOARD NO. 1-648-534-16
BOARD'S LOT NO. 910DVW-A500 (J. UC) : APR-1 MCB
DVW-A500PP (EK) : APR-1 MCB
DVW-A500PP (UC) : APR-1 MCB
DVW-500P (UC) : APR-1 MCB
DVW-500P (EK) : APR-1 MCB
DVW-500P (EK) : APR-1 MCB
DVW-500P (UC) : APR-1 MCB

1-27 (b) 1-27 (b) **M**

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1-28 (b) 1-28 (b) DVW-A500/500

D | E | F | G | H

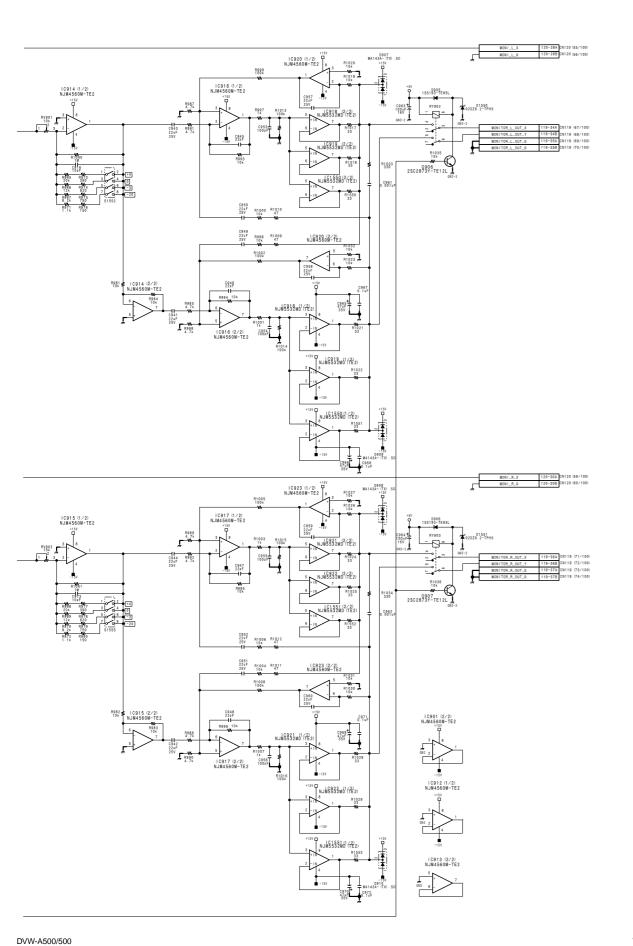
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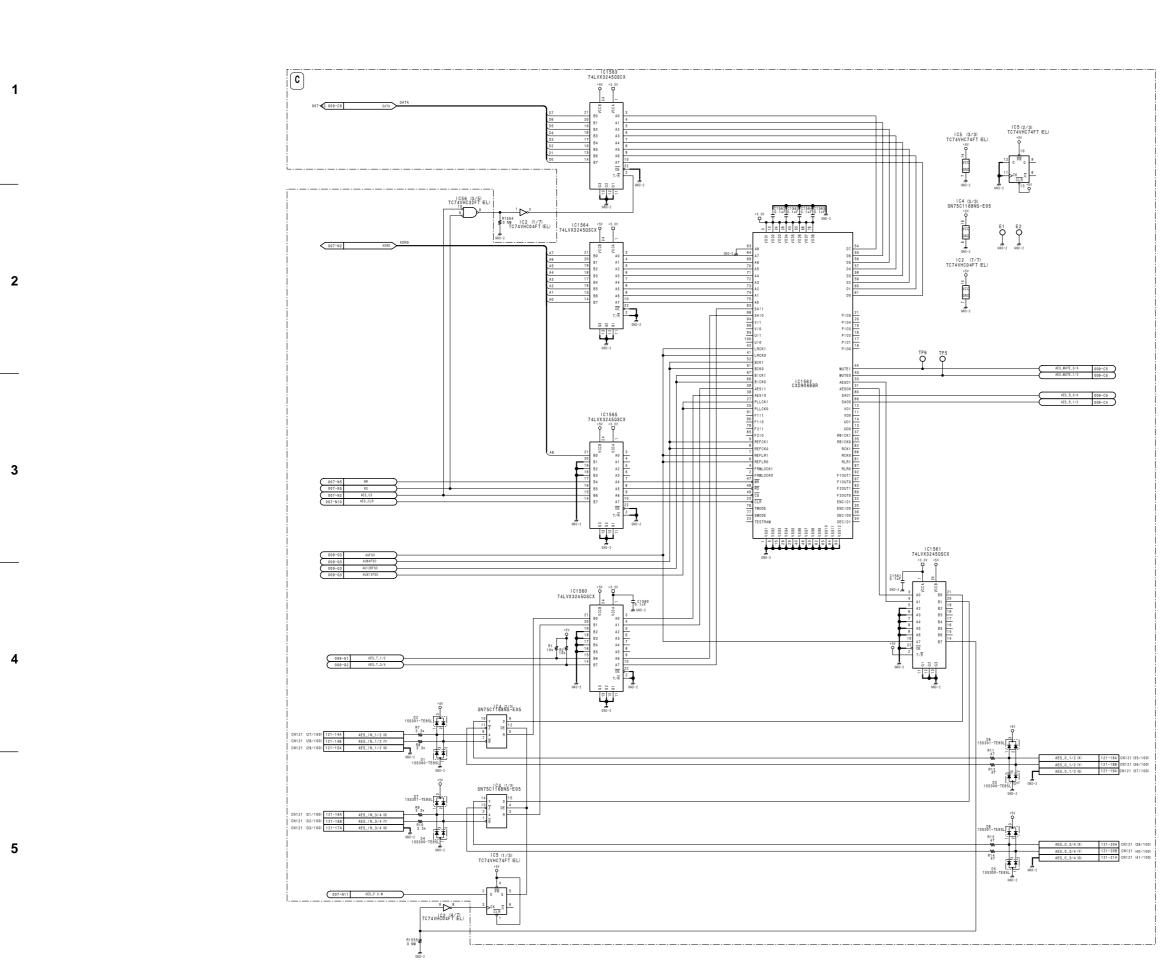
K

Monitor L/R D/A Convert & Output Drive APR-1 BOARD (5/9)

BOARD NO. 1-648-534-16 BOARD'S LOT NO. 910-DVW-A500 (J, UC) : APR-1 MCB DVW-A500P (EK) : APR-1 MCB DVW-500P (UC) : APR-1 MCB DVW-500P (EK) : APR-1 MCB DVW-500P (EK) : APR-1 MCB DVW-A500_APR-1_016_5

1-29 (b) 1-29 (b)

M



AES Encode/Decode APR-1 BOARD (6/9)

BOARD NO. 1-648-534-16
BOARD'S LOT NO. 910DVW-A500 (J, UC) : APR-1 MCB
DVW-A500P (EK) : APR-1 MCB
DVW-A500P (UC) : APR-1 MCB
DVW-500P (EK) : APR-1 MCB
DVW-500P (EK) : APR-1 MCB
DVW-500P (EK) : APR-1 MCB DVW-A500_APR-1_016_6

1-30 (b) DVW-A500/500

В

С

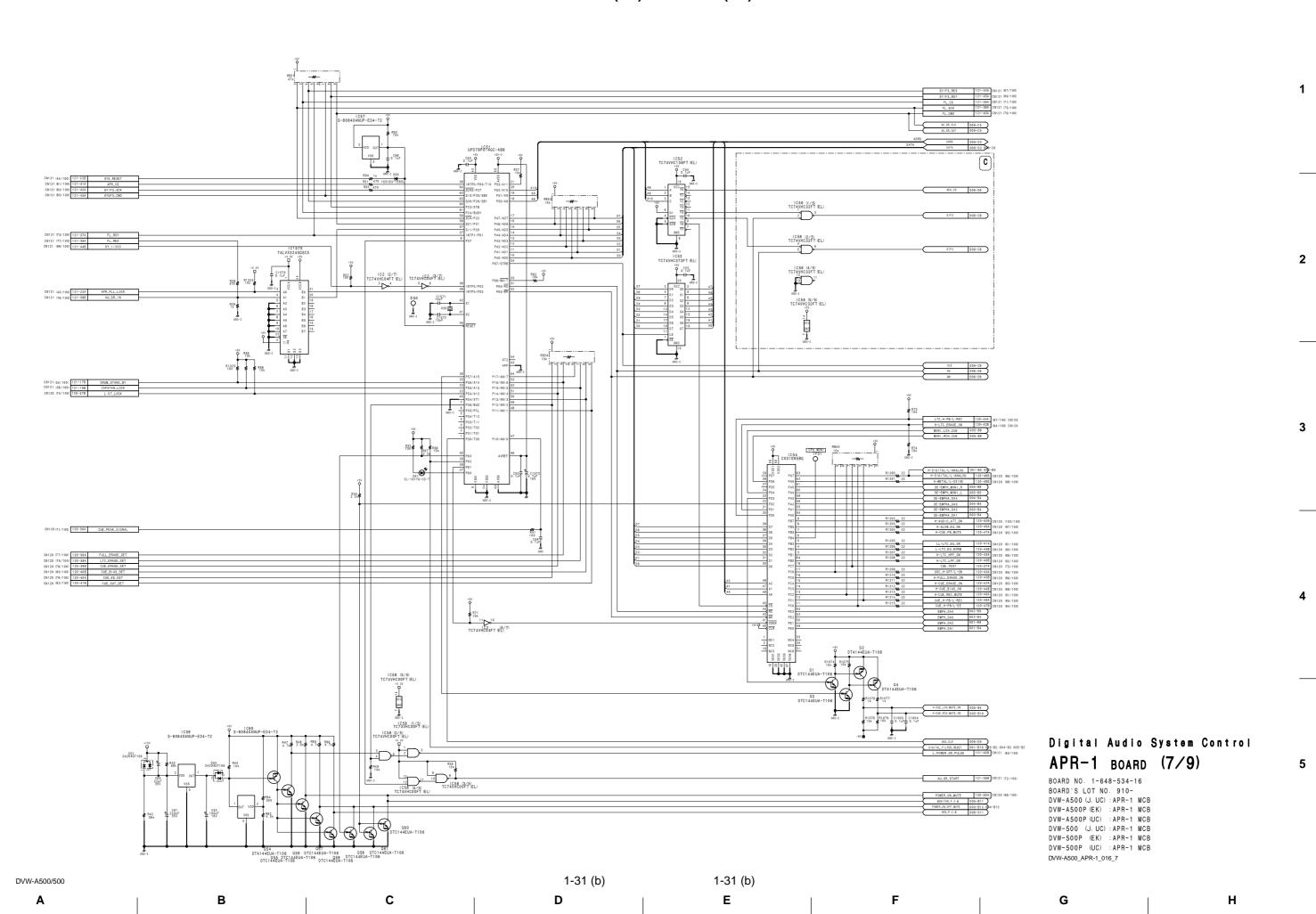
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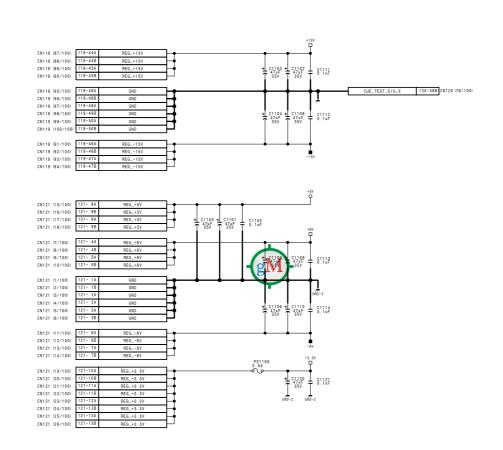
1-30 (b)

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F

G





Digital Audio Self-Diagnosis APR-1 BOARD (8/9)

BOARD NO. 1-648-534-16 BOARD'S LOT NO. 910-DVW-A500 (J. UC): APR-1 MCB DVW-A500P (EK) : APR-1 MCB DVW-4500P (UC) : APR-1 MCB
DVW-500P (EK) : APR-1 MCB
DVW-500P (UC) : APR-1 MCB DVW-A500_APR-1_016_8

1-32 (b) 1-32 (b) DVW-A500/500 Ε G

В

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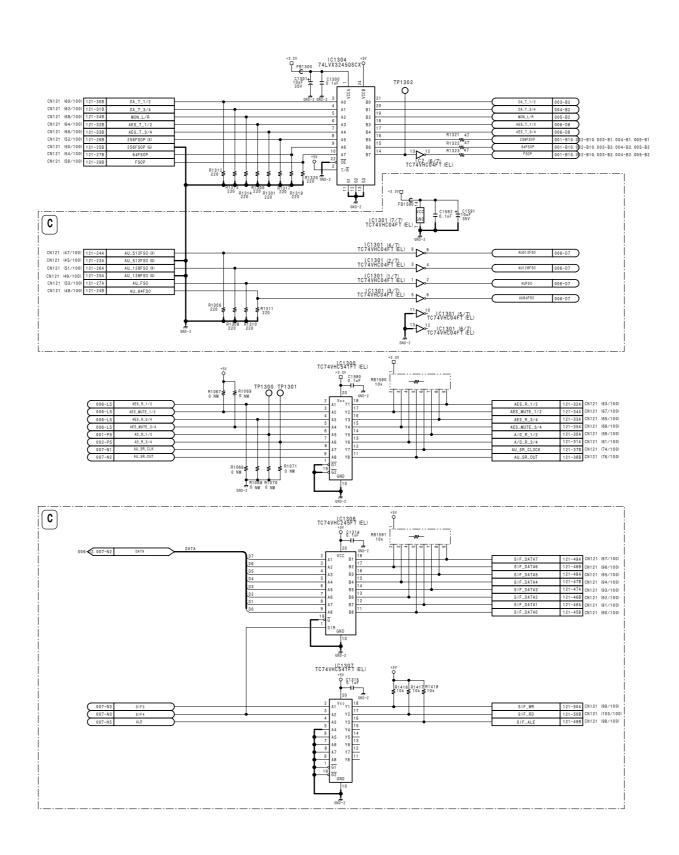
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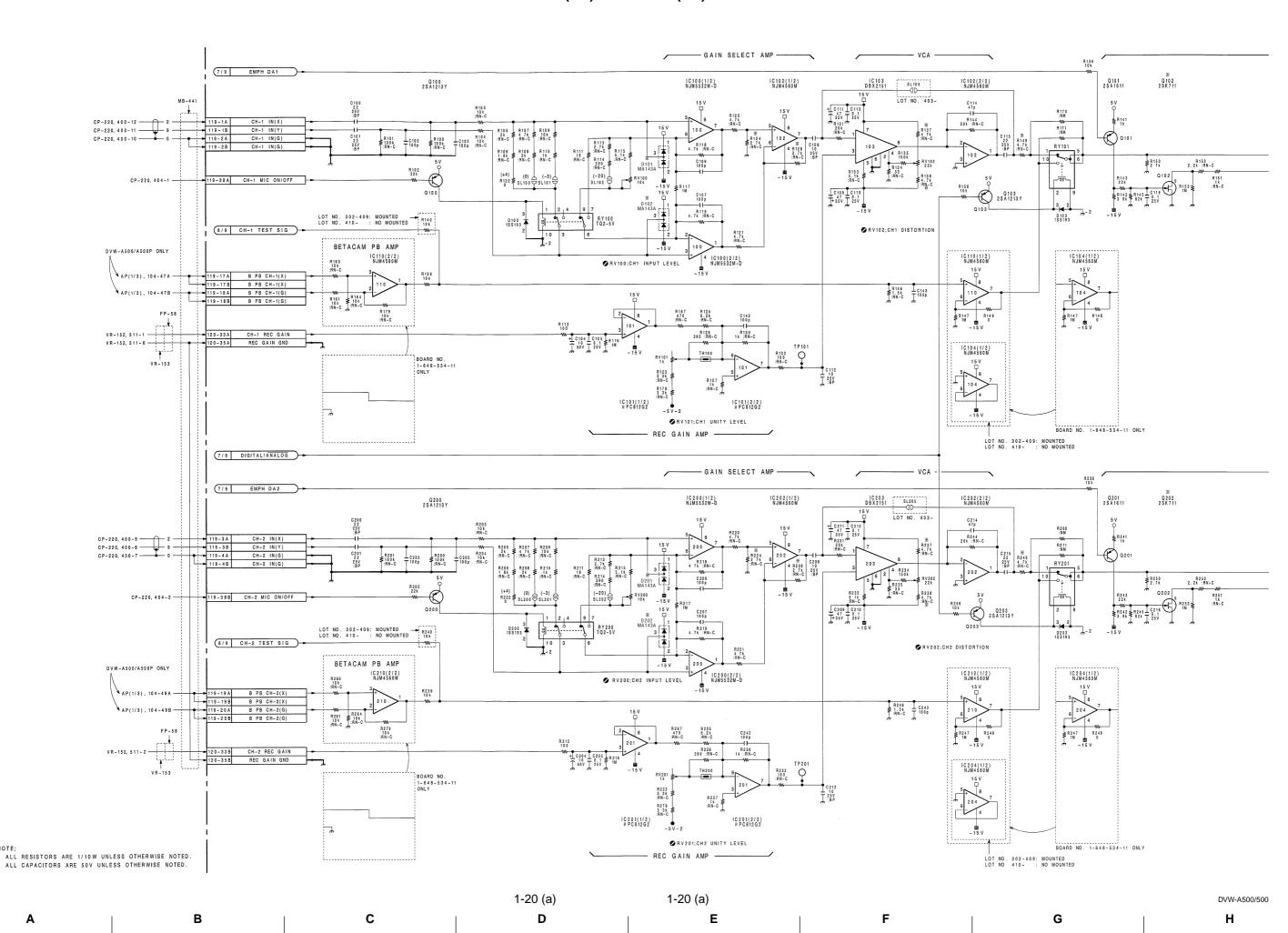


Bus Buffer
APR-1 BOARD (9/9)

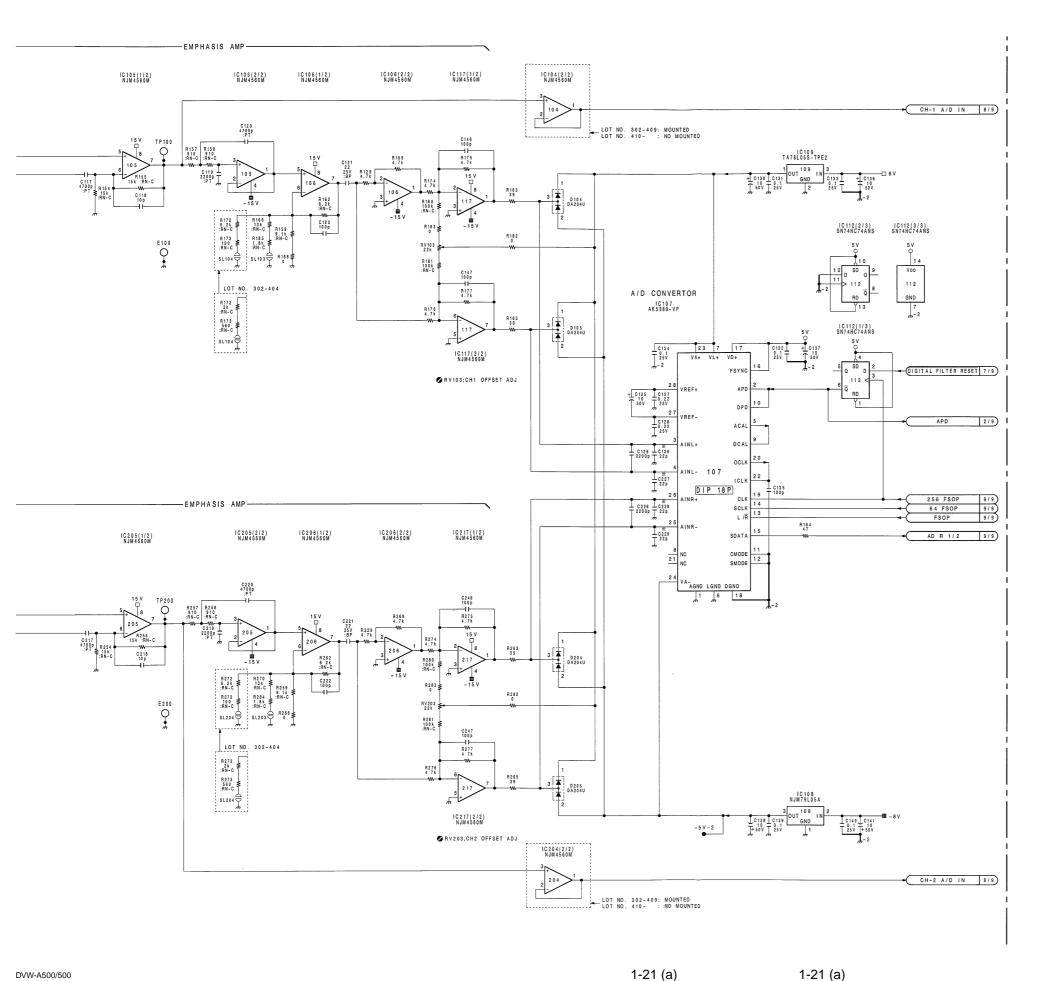
Н

BOARD NO. 1-648-534-16 BOARD'S LOT NO. 910-DVW-A500 (J. UC) : APR-1 MCB DVW-A500P (EK) : APR-1 MCB DVW-A500P (UC) : APR-1 MCB DVW-500 (J. UC) : APR-1 MCB DVW-500P (EK) : APR-1 MCB DVW-500P (UC) : APR-1 MCB DVW-500P (UC) : APR-1 MCB

B C D E F G



M



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Ж РА	RT CHAN	GE INFOR	MATION		旧部品に対する補修音	8品 同時に交換	する部品
	Part c	hange info	rmation	Change	Repair part	Simulatane	ously
	Ref. No	. 01d	New	LOT No.	for Old part	change p	art
F-1	R137	20k —	- 4.7k	309	4.7k	R138	
F-2	R138	20k —	► 4.7k	309	4.7k	R137	
F-4	R237	20k —	- 4.7k	309	4.7k	R238	
F-4	R238	20k —	- 4.7k	309	4.7k	R237	
L-3	C129	2200p —	► 22p	401	22p	C227, C228	, C229
L-3	C227	2200p —	► 22p	401	22p	C129, C228	, C229
L-3	C228	2200p —	- 22p	401	22p	C129, C227	, C229
L-3	C229	2200p —	► 22p	401	22p	C129, C227	C228
E-1	D 101	DA204U -	→ 155302	403	MA143A		
		188302 -	► MA143A	806			
E-2	D102	DA204U -	→ 188302	403	MA143A		
		188302 -	► MA143A	806			
E-4	D201	DA204U -	► 188302	403	MA143A		
		188302 -	► MA143A	806			
E-4	D202	DA204U -	188302	403	MA143A		
		188302 -	► MA143A	806			
H-1	Q102	25K300 →	- 2 S K 7 11	405	2 S K 7 11		
H-3	Q202	25K300 -	- 2 S K 7 11	405	2 S K 7 11		

R128 4.7k → 2.7k △ 405 R149 11k → 4.7k △ 405

A : IN THE CASE OF APR-1P MCB, CHANGED FROM LOT NO 403

2.7k

2.7k

R124, R149

R228, R249

R224, R249











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LOT NO.	BOARD NO.
302-305	1-648-534-11
306	1-648-534-11, 12
307-402	1-648-534-12
403-412	1-648-534-13
501-909	1-648-534-14

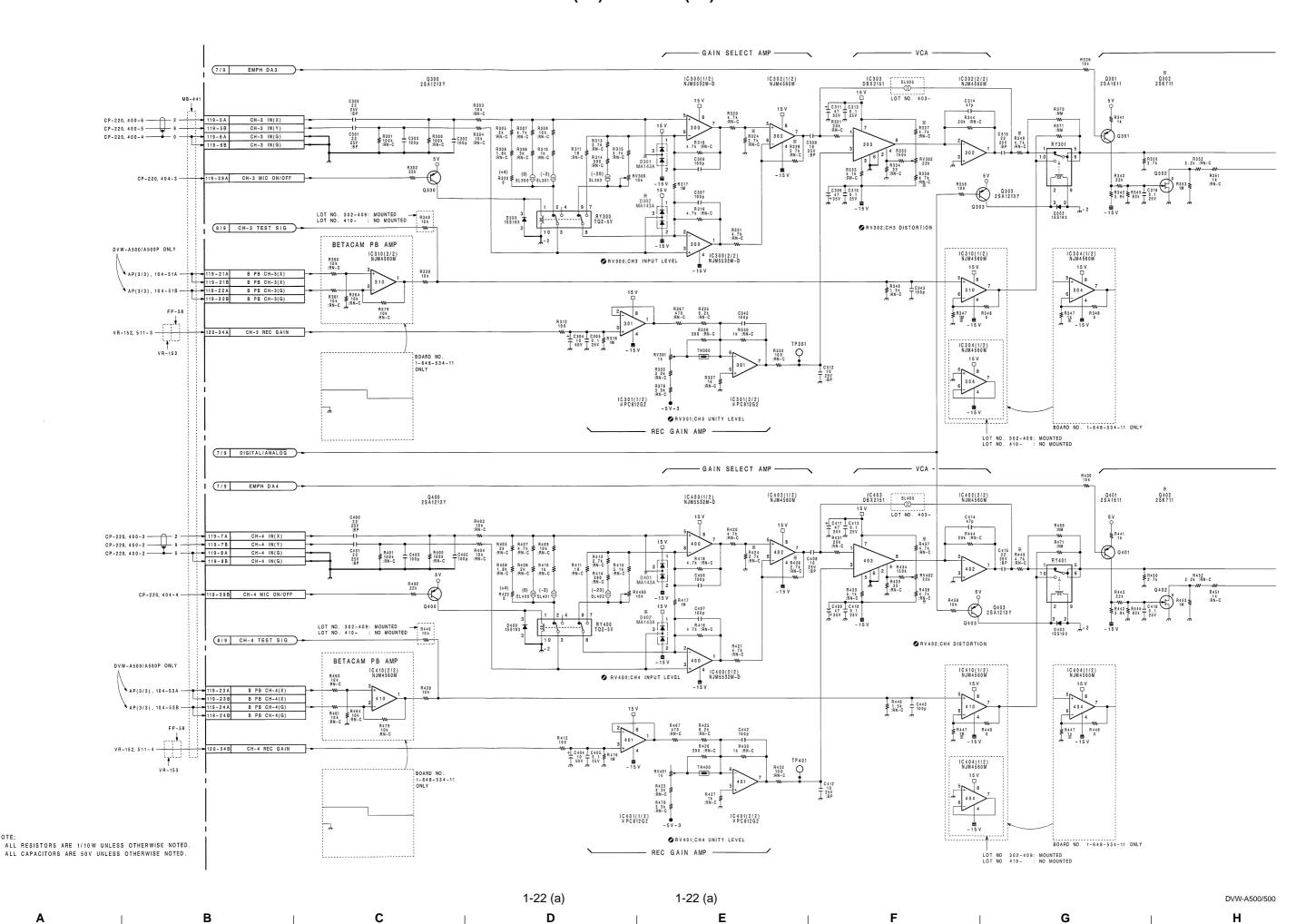
CH-1/CH-2 A/D Convert APR-1 BOARD (1/9)

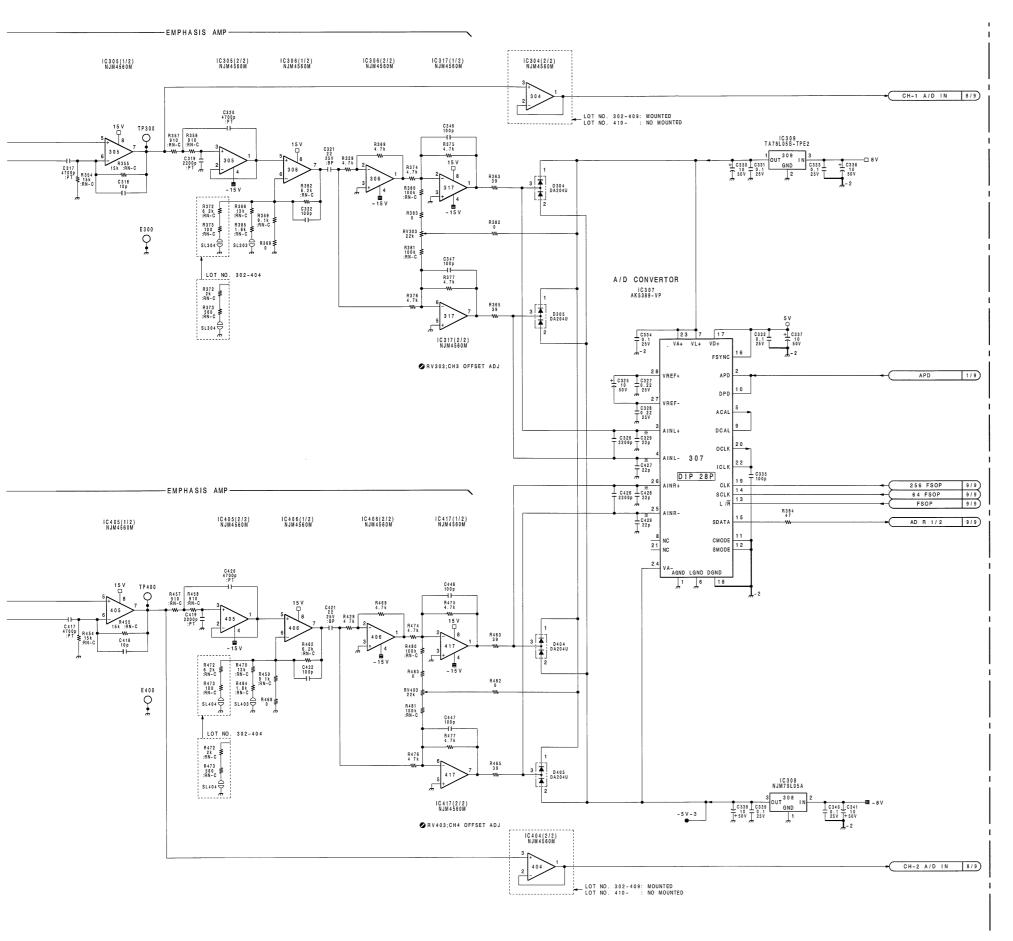
BOARD NO. 1-648-534-11, 12, 13, 14 BOARD'S LOT NO. 302-909 DVW-A500(J, UC) :APR-1 MCB DVW-A500P(EK) :APR-1P MCB DVW-A500P(UC) :APR-1P MCB DVW-500 (J, UC) :APR-1 MCB DVW-500P (EK) :APR-1P MCB DVW-500P (UC) :APR-1PG MCB

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DVW-APR1-ALL-REC-S/M-04

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_	Dani a	hange info		Change	Repair part	Simulataneously
				1 *		
	Ref. No		New	LOT No.	for Old part	change part
F-1	R337	20k →		309	4.7k	R338
F-2	R338	20k →		309	4.7k	R337
F-4	R437	20k →	► 4.7k	309	4.7k	R438
F-4	R438	20k —	► 4.7k	309	4.7k	R437
F-2	R347	1 k -	- 1M	310	1 M	
G-2				ĺ		
F-5	R447	1 k →	- 1M	310	1 M	
G - 5	1			i		
L-3	C329	2200p	- 22p	401	22p	C427, C428, C42
L-3	C427	2200p -	- 22p	401	22p	C329, C428, C42
L-3	C428	2200p -	► 22p	401	22p	C329, C427, C42
L-3	C429	2200p -	- 22p	401	22p	C329, C427, C421
E - 1	D301	DA204U -	188302	403	MA143A	
		188302 -	► MA143A	806		
E-2	D302	DA204U -	188302	403	MA143A	
		188302 -	► MA143A	806		
E - 4	D401	DA204U -	► 1SS302	403	MA143A	
		188302 -	► MA143A	806		
E-4	D402	DA204U	► 1SS302	403	MA143A	
		155302 -	► MA143A	806		
H - 1	Q302	2SK300 -	- 2SK711	405	2 S K 7 11	
H-3	Q402	2SK300	► 2SK711	405	2 S K 7 11	
E-1	R324	4.7k -	- 2 7k	A 405	2.7k	R328, R349
F-1	R328	4.7k -		A 405	2.7k	R324, R349
G - 1	B349	11k -		A 405	4.7k	R324, R328
E-4	R424	4.7k -		A 405	2.7k	R428, R449
F-4	R428	4.7k -		A 405	2.7k	R424, R449
G-4	R449	11k -		A 405	4.7k	R424, R428

⚠ : IN THE CASE OF APR-1P MCB, CHANGED FROM LOT NO. 403.











BOARD NO.
1-648-534-11
1-648-534-11, 12
1-648-534-12
1-648-534-13
1-648-534-14

CH-3/CH-4 A/D Convert APR-1 BOARD (2/9)

BOARD NO. 1-648-534-11, 12, 13, 14 BOARD'S LOT NO. 302-909 DVW-A500(J, UC) :APR-1 MCB DVW-A500P(EK) :APR-1P MCB DVW-A500P(UC) :APR-1PG MCB
DVW-500 (J, UC) :APR-1PG MCB
DVW-500P (EK) :APR-1P MCB
DVW-500P (UC) :APR-1PG MCB

DVW-APR1-ALL-REC-S/M-04

DVW-A500/500

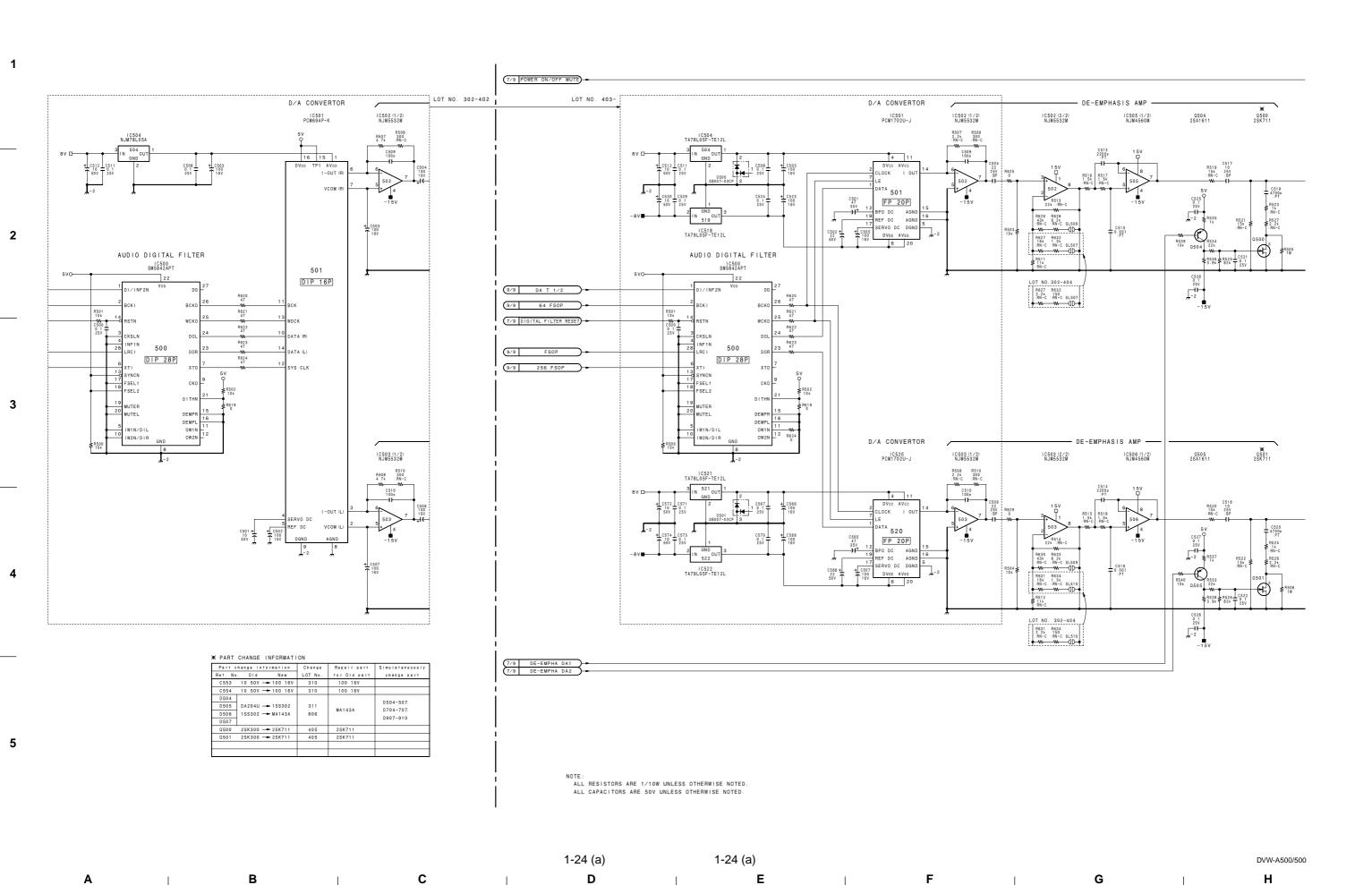
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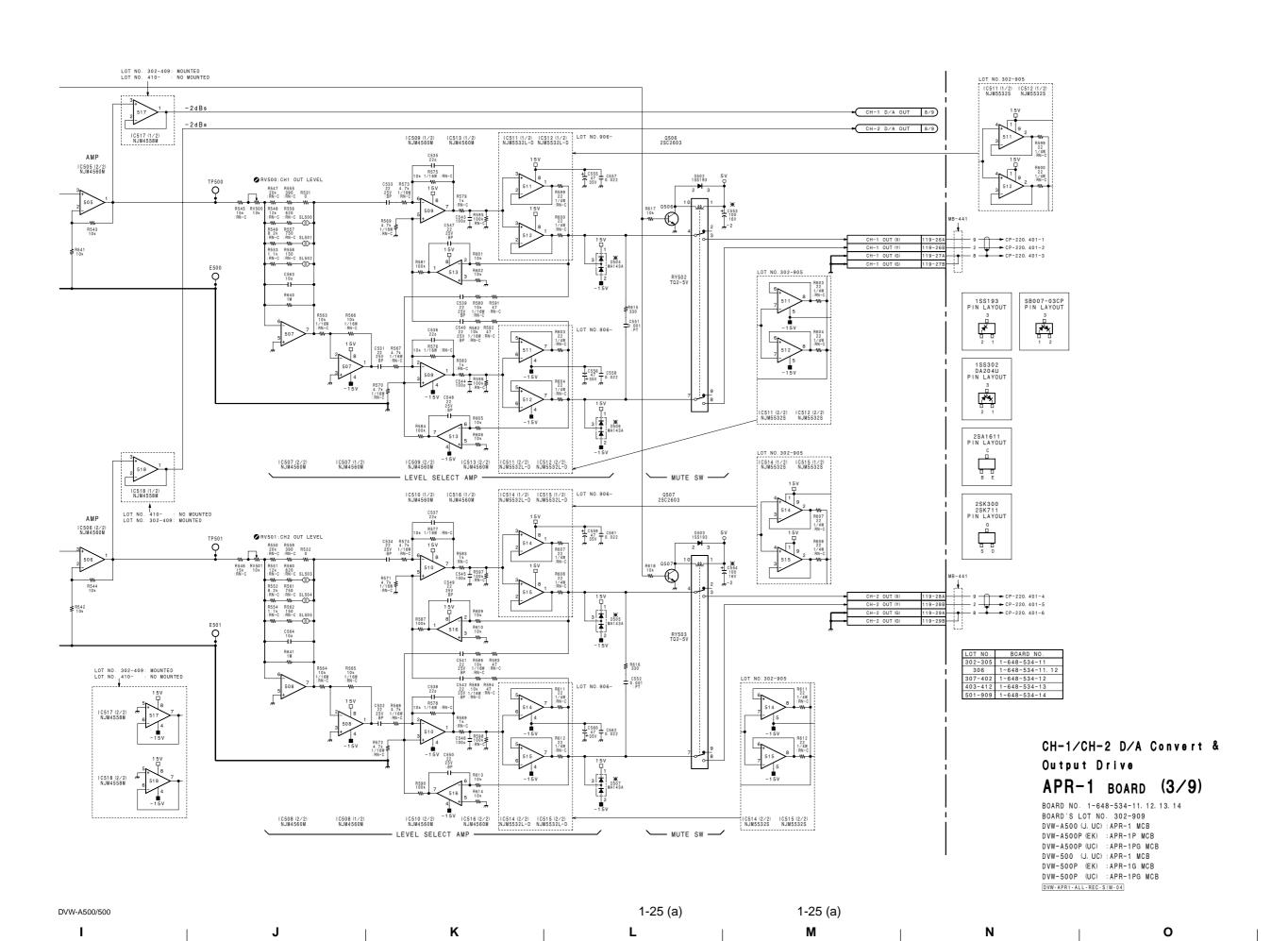
1-23 (a)

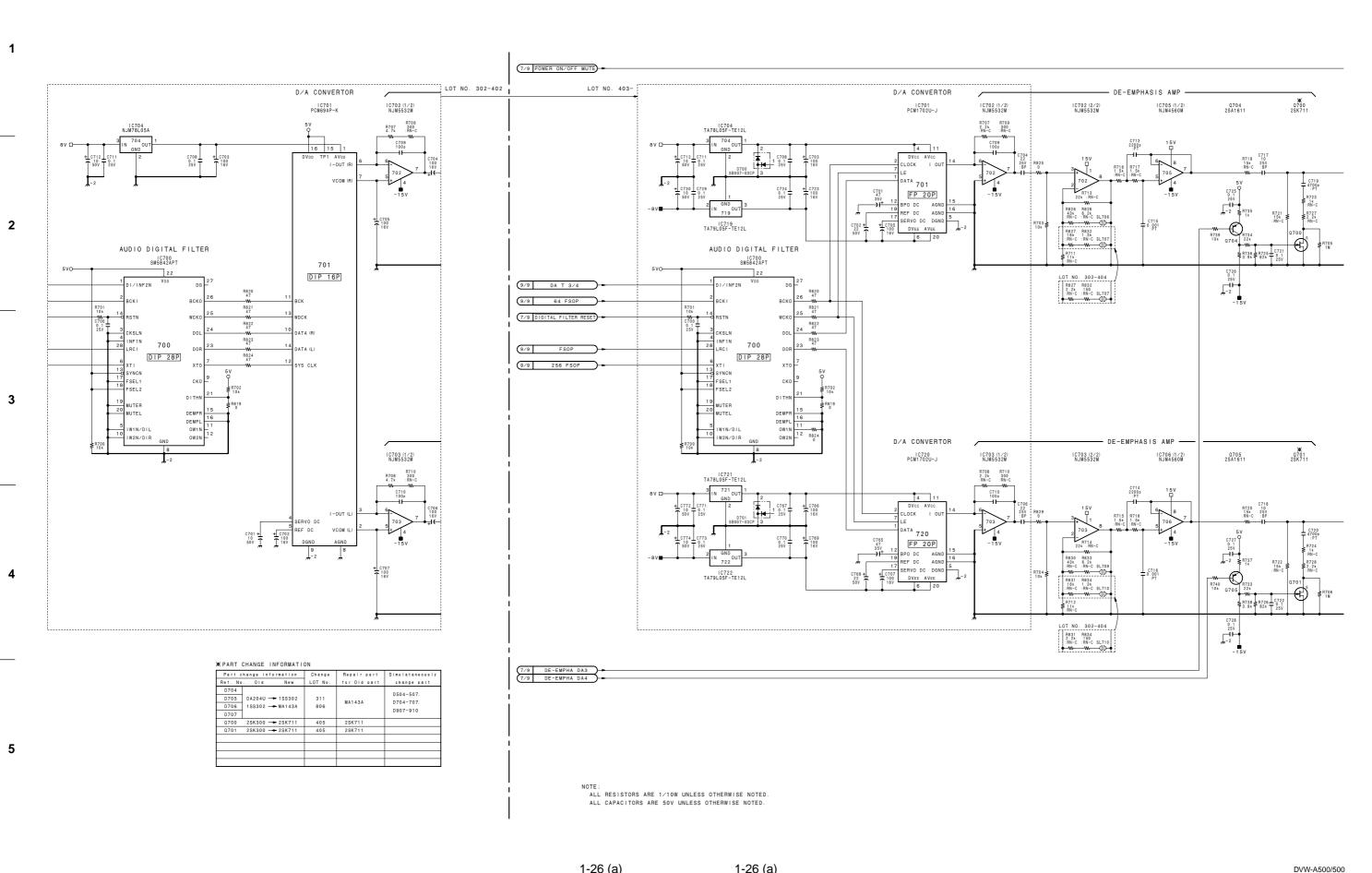
1-23 (a)

М

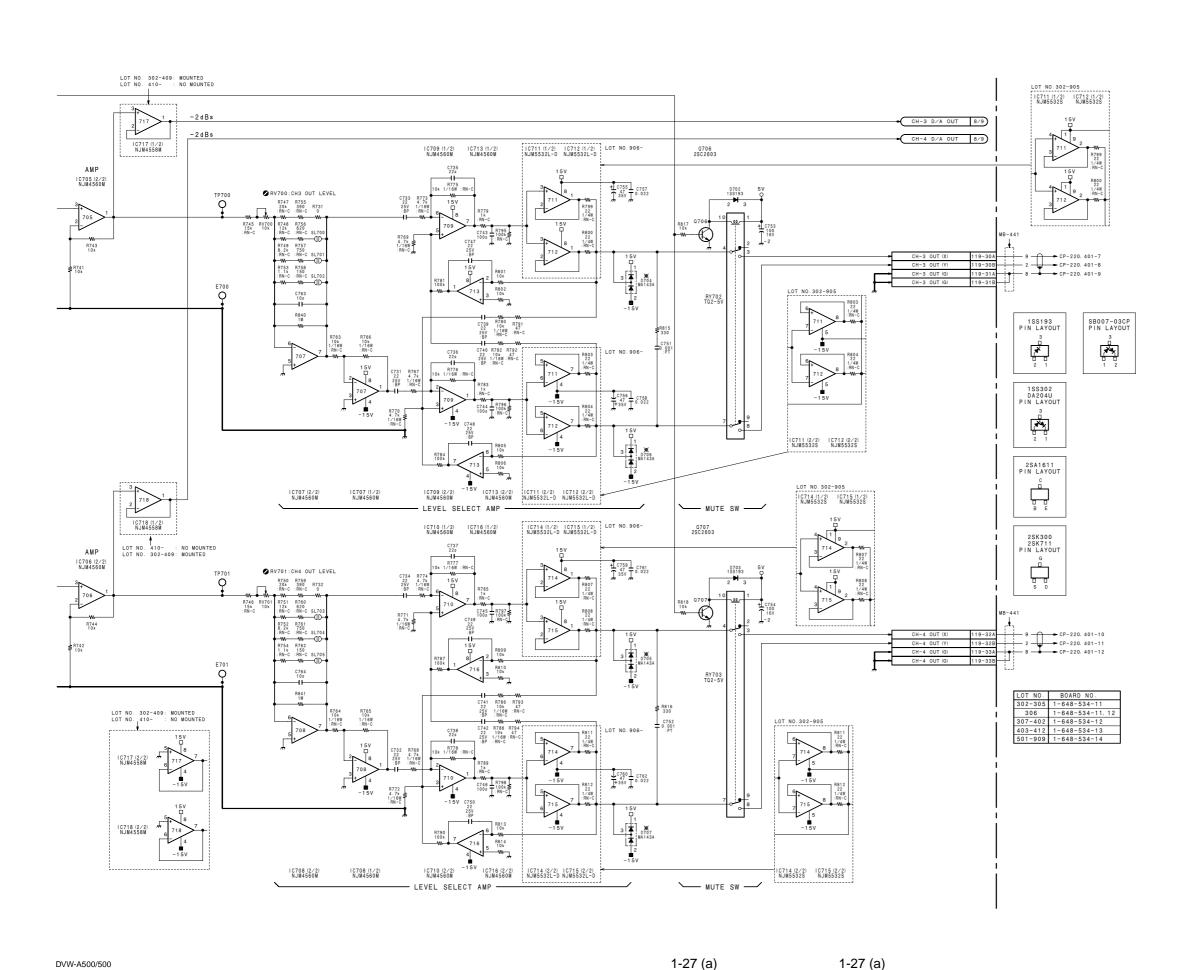
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1-26 (a) 1-26 (a) 1-26 (b) D E F G H



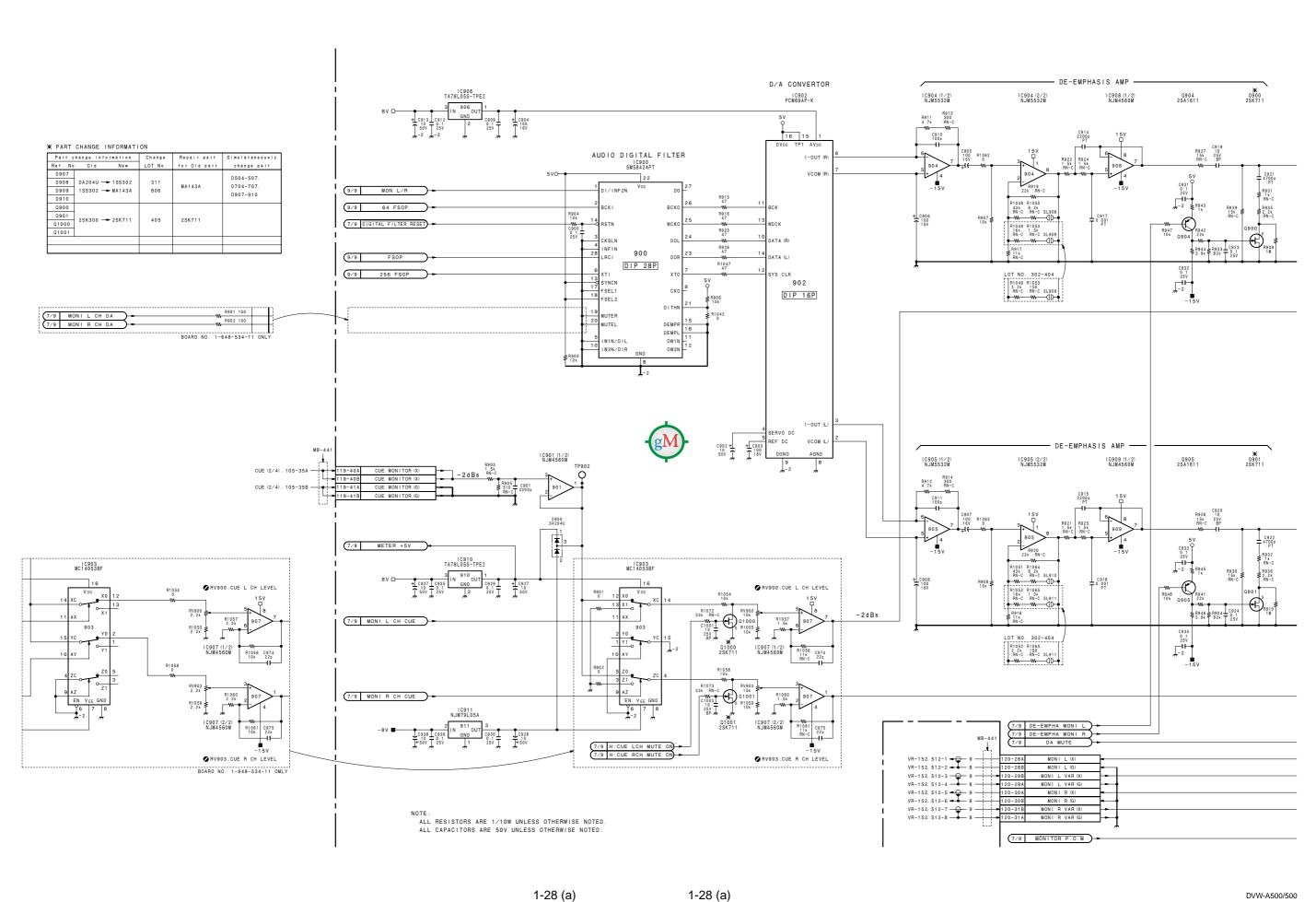
CH-3/CH-4 D/A Convert & Output Drive APR-1 BOARD (4/9)

BOARD NO. 1-648-534-11. 12. 13, 14
BOARD'S LOT NO. 302-909
DVW-A500 (J, UC) : APR-1 MCB
DVW-A500P (EK) : APR-1P MCB
DVW-A500P (UC) : APR-1PG MCB
DVW-500 (J, UC) : APR-1 MCB
DVW-500P (EK) : APR-1G MCB
DVW-500P (UC) : APR-1PG MCB

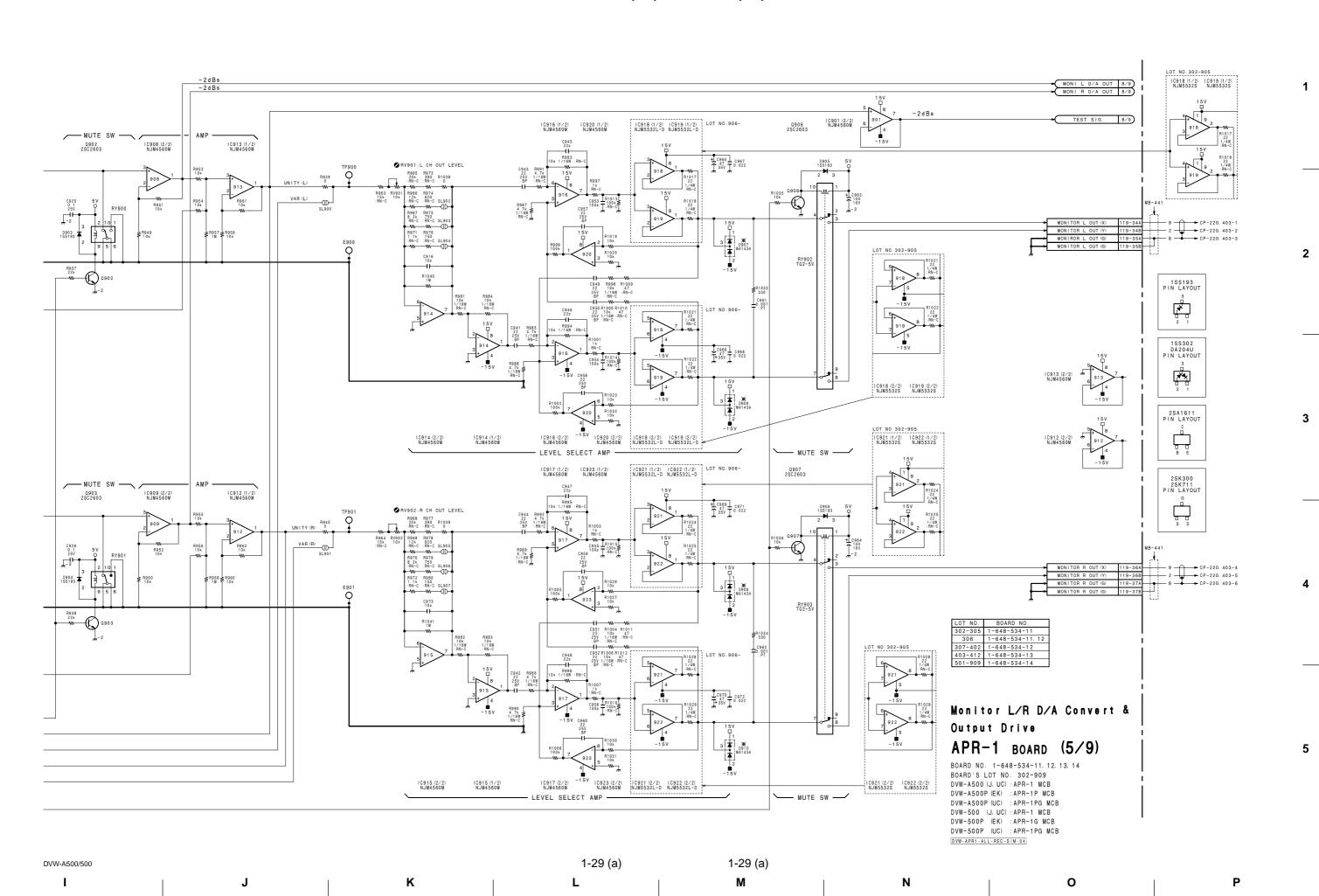
I J K | L | M | N | O |

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B C D E F G



AU 64FSO AU FSO AU 128FSO 9/9 AU 512FSO 7/9 AES/EBU CS1(R) 7/9 AES/EBU RD IC 2 (1/6) SN74HC04ANS (7/9 AES/EBU TEST ON/OFF)-- AES/EBU ENCODER -188301-TE85L **R7 3.3k 2 CP-220, 404-12 121-14 A CP-220, 404-13 121-14 B CP-220, 404-14 121-15 A AES | 1/2(X) AES I 1/2(Y) * R8 3.3k D1 1SS300-TE85L AES | 1/2(G) **
IC4(3/5) IC6(1/5)
SN75C1168NS-E05 SN74HC125ANS IC1 CXD8277Q LINE RECEIVER -TXDATA AES T 1/2 BIPHCLK (7/9 AES/EBU ADDRESS 5) TEST LOOP GATE (7/9 AES/EBU ADDRESS 4) LRCKO IC6(2/5) SN74HC125ANS BCKO 5
2
LRPOLL 4
1
TMONO 62
VIN 8
UIN 9
CIN 11
TXBLKID 11
TEMP1A 44
TEMP1A 43
TEMP1A 48
TEMPB 47
TEMP1B 46 7/9 AES/EBU ADDRESS 3 вско 7/9 AES/EBU ADDRESS 2 7/9 AES/EBU ADDRESS 1) 20 AD1
20 AD0
33 DATA7
32 DATA6
33 DATA6
31 DATA3
32 DATA4
29 DATA3
27 DATA4
27 DATA0
36 CS
37 WR 7/9 AES/EBU ADDRESS 0 7/9 AES/EBU DATA 7 7/9 AES/EBU DATA 6 9 AES/EBU DATA 5 9 AES/EBU DATA 4 QFP 64P 7/9 AES/EBU DATA 3 7/9 AES/EBU DATA 2 (7/9 AES/EBU DATA 1 7/9 AES/EBU DATA 0 7/9 AES/EBU CS2(T) 7/9 AES/EBU WR E1 O % R9 3.3k CP-220, 404-15 121-16 A CP-220, 404-16 121-16 B CP-220, 404-17 121-17 A AES | 3/4(Y) AES | 3/4(G) % R10 3.3k *
IC4(4/5) IC6(3/5)
SN75C1168NS-E05 SN74HC125ANS IC3 CXD8277Q LINE RECEIVER -9 0 ₹ R2 10k 9/9 AES T 3/4 TXDATA BIPHCLK TEST LOOP GATE LRCKO IC6(4/5) SN74HC125ANS вско 22 AD3
22 AD2
21 AD1
20 AD0
34 DATA7
33 DATA6
32 DATA5
DATA4
29 DATA2
28 DATA LRPOLL BCKPOLL TMONO QFP 64P POWER ON MUTE DATAO 1C2(2/6) SN74HC04ANS 1C5(1/3) SN74HC74ANS 7/9 AES/EBU CS3(T) 7/9 AES P.O.M

1-30 (a) 1-30 (a) DVW-A500/500 F | G | H

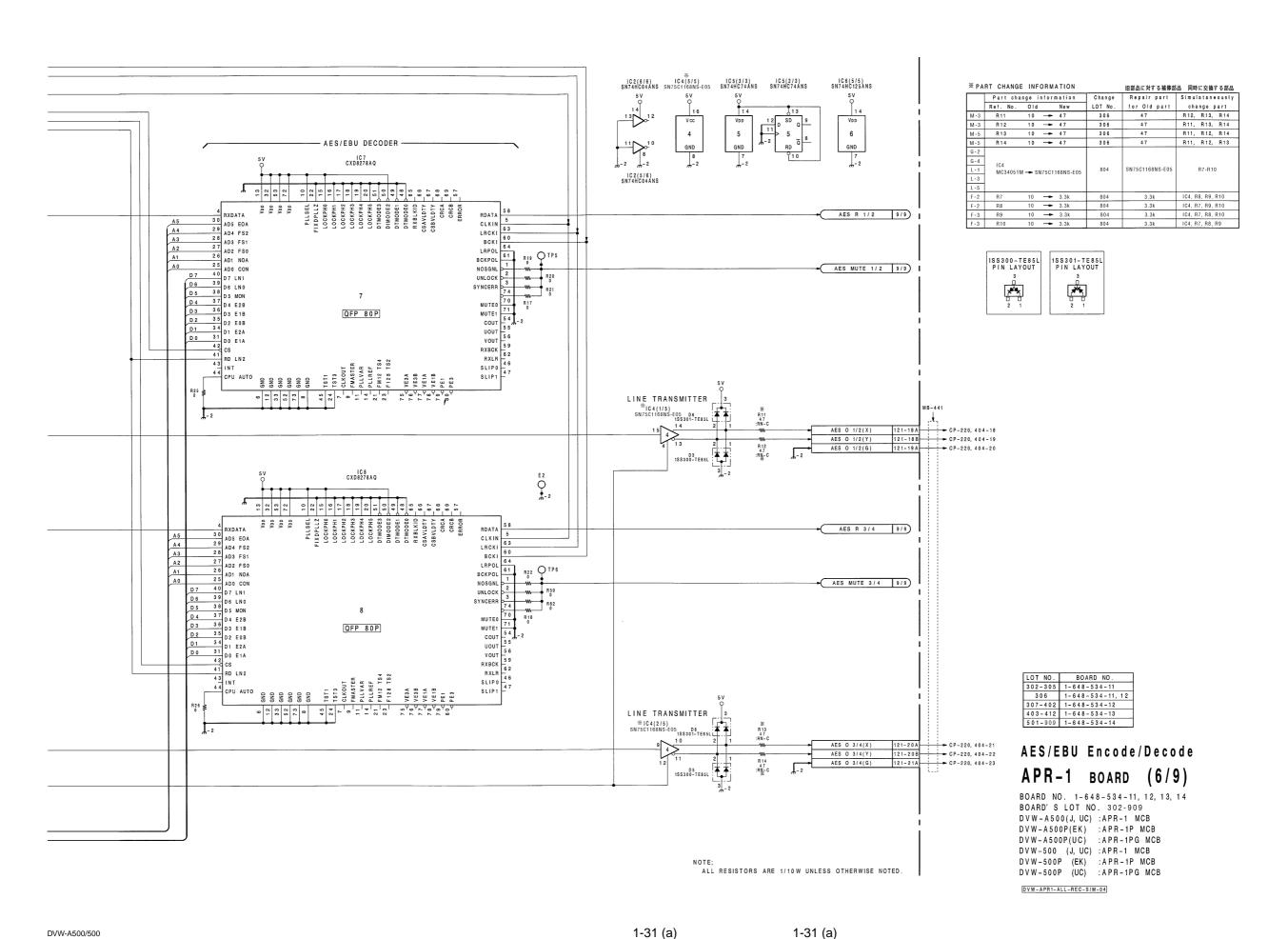
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В



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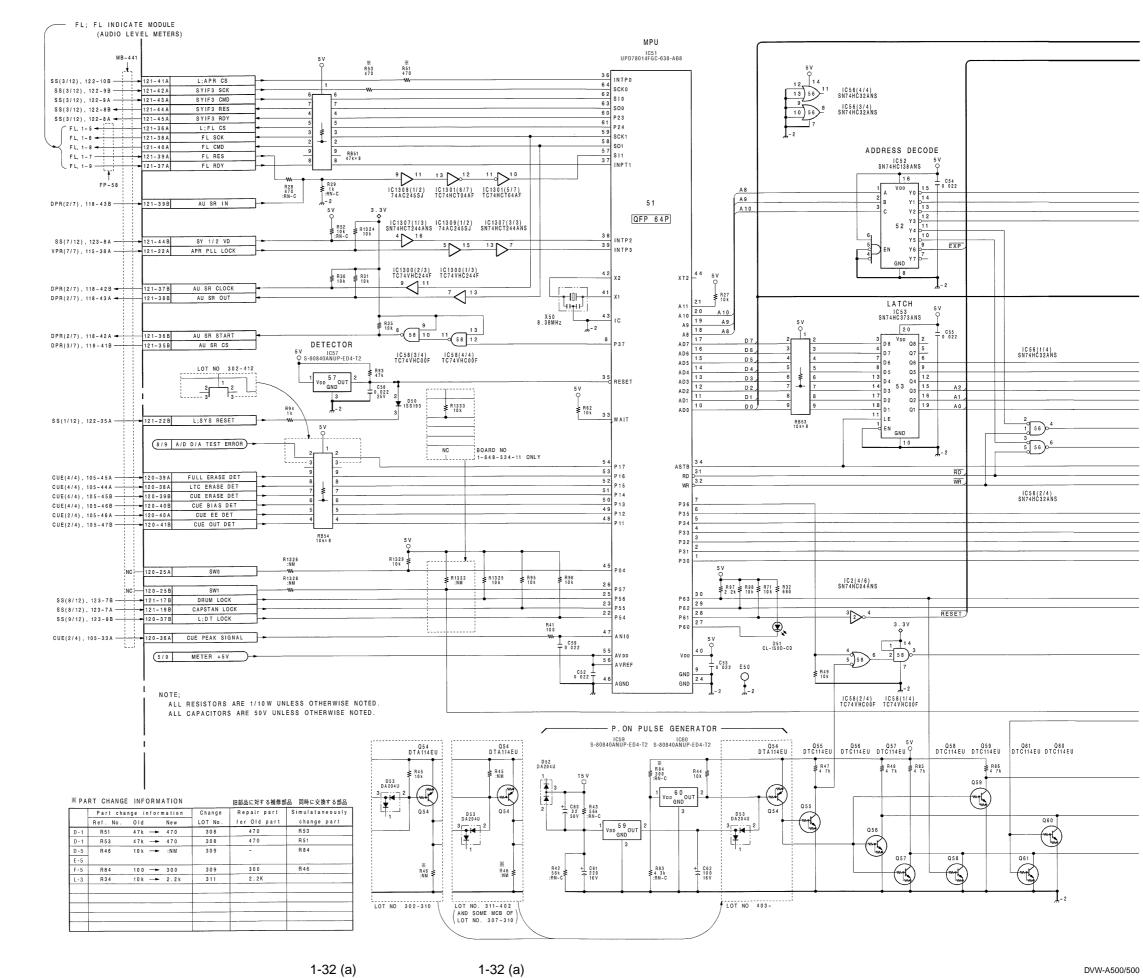
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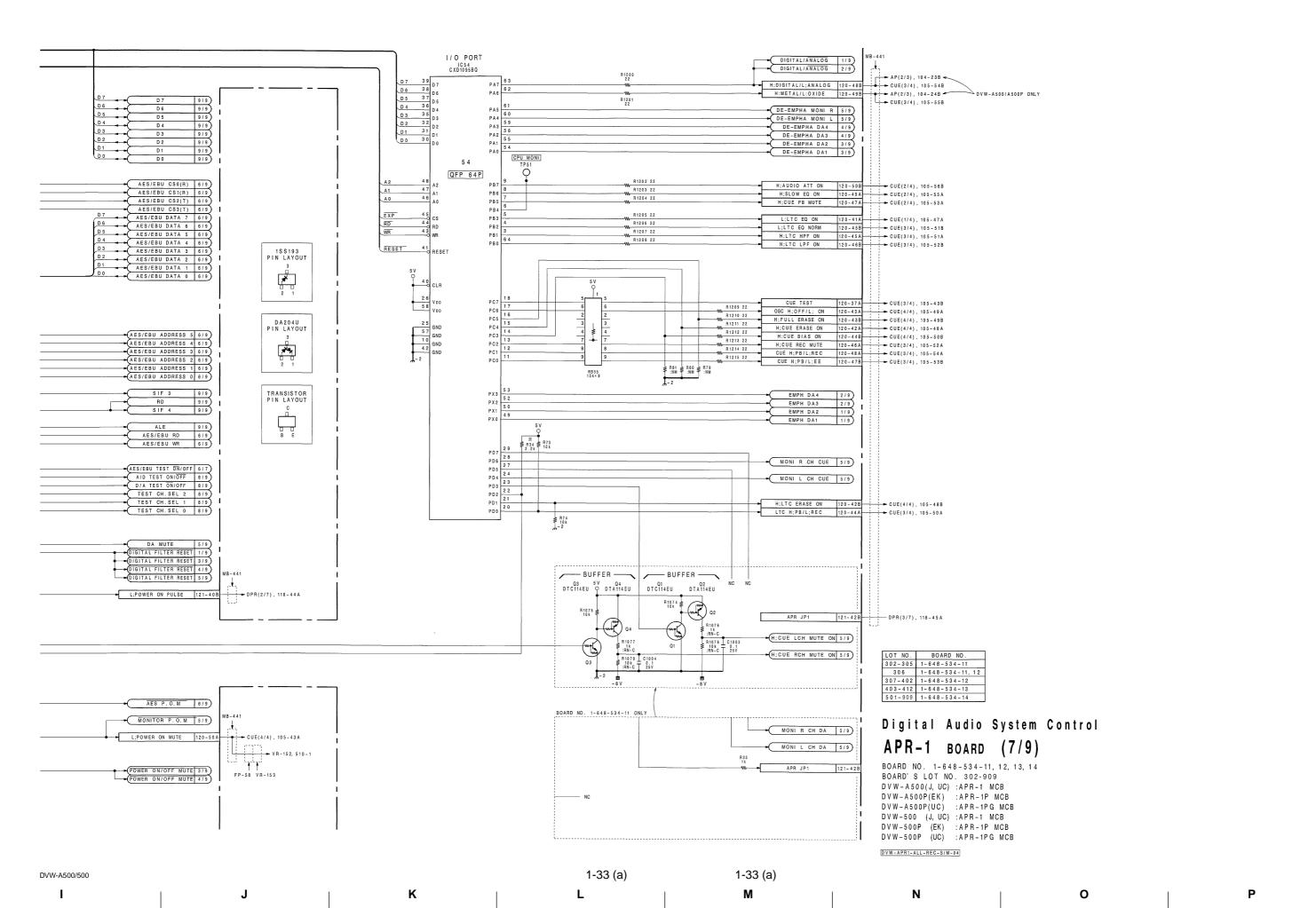
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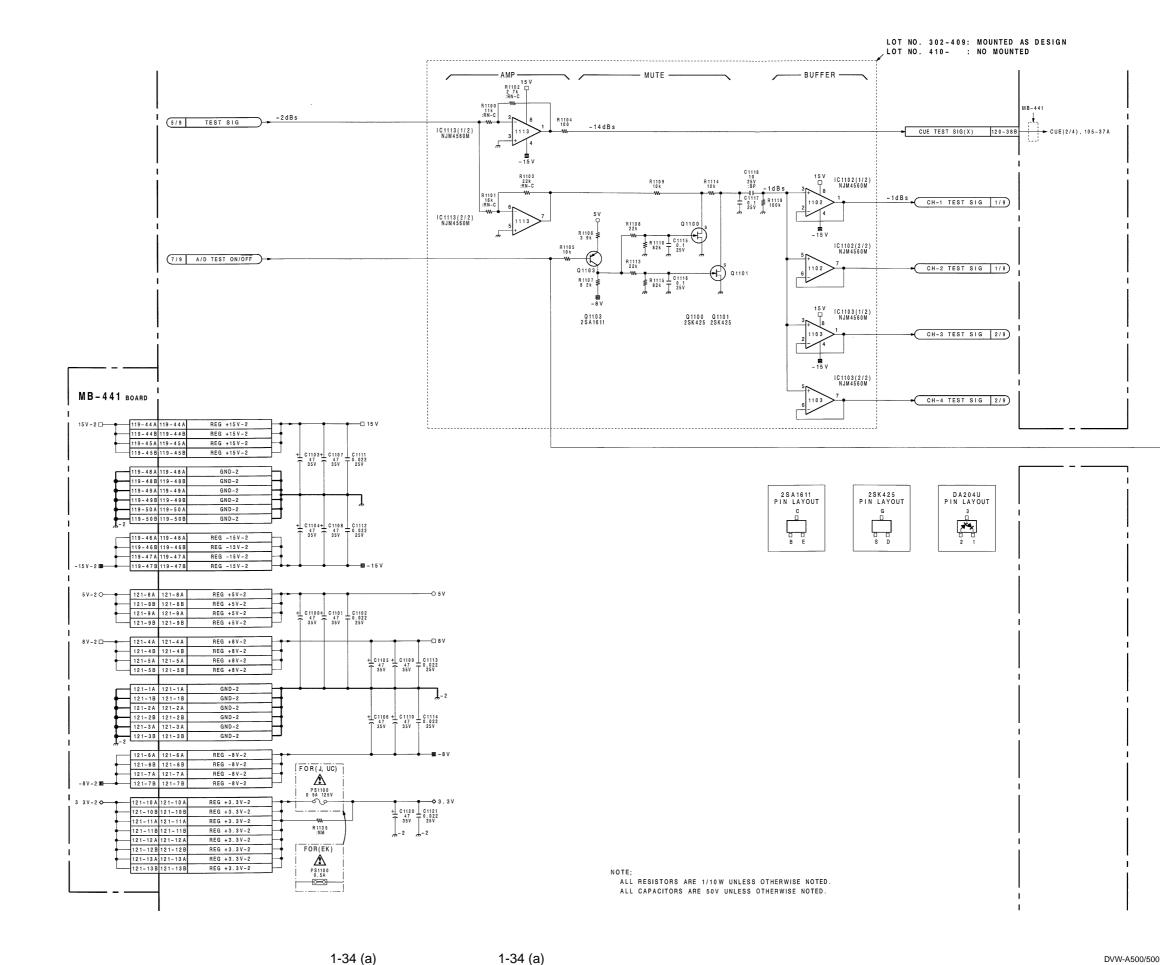
B C D E F G H



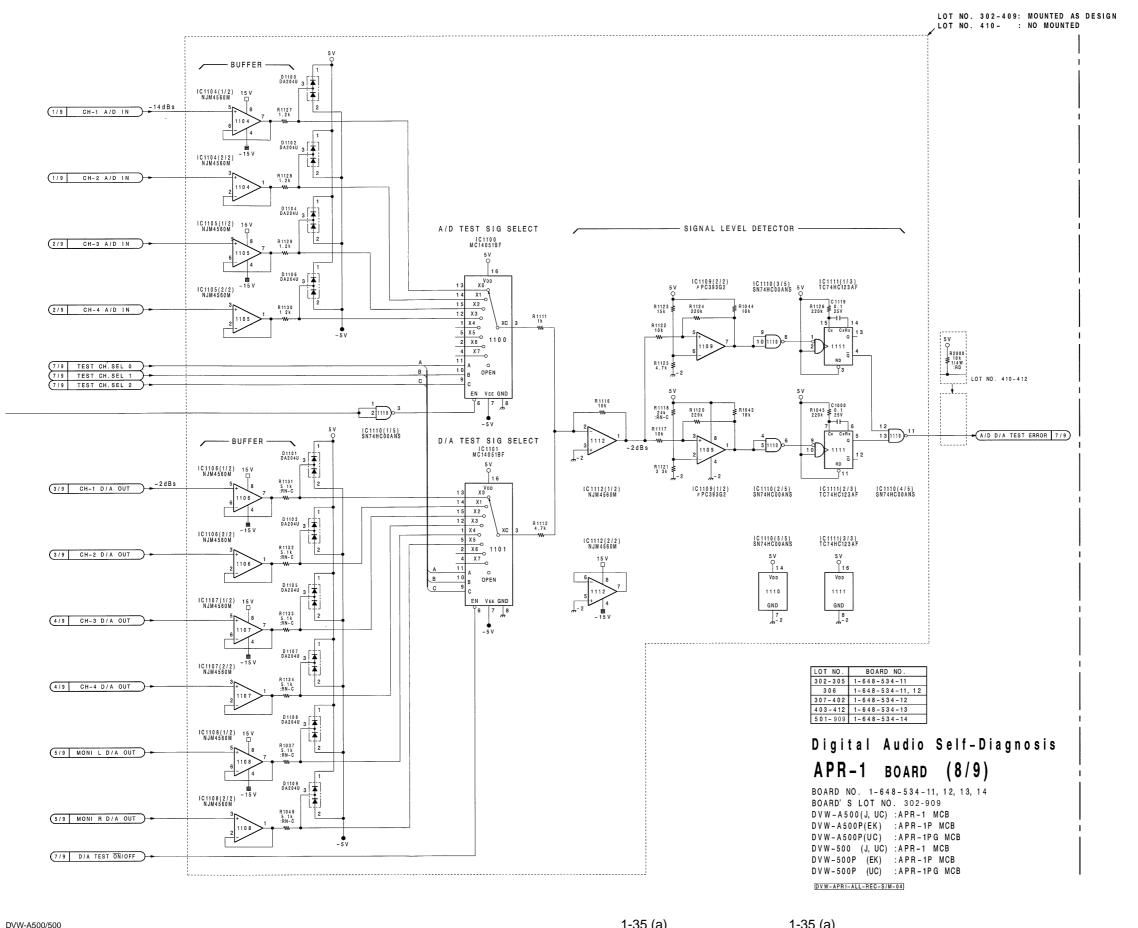
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1-34 (a) 1-34 (a) 1-34 (b) 1-34 (c) 1-34 (d) 1-3



1-35 (a) 1-35 (a) K

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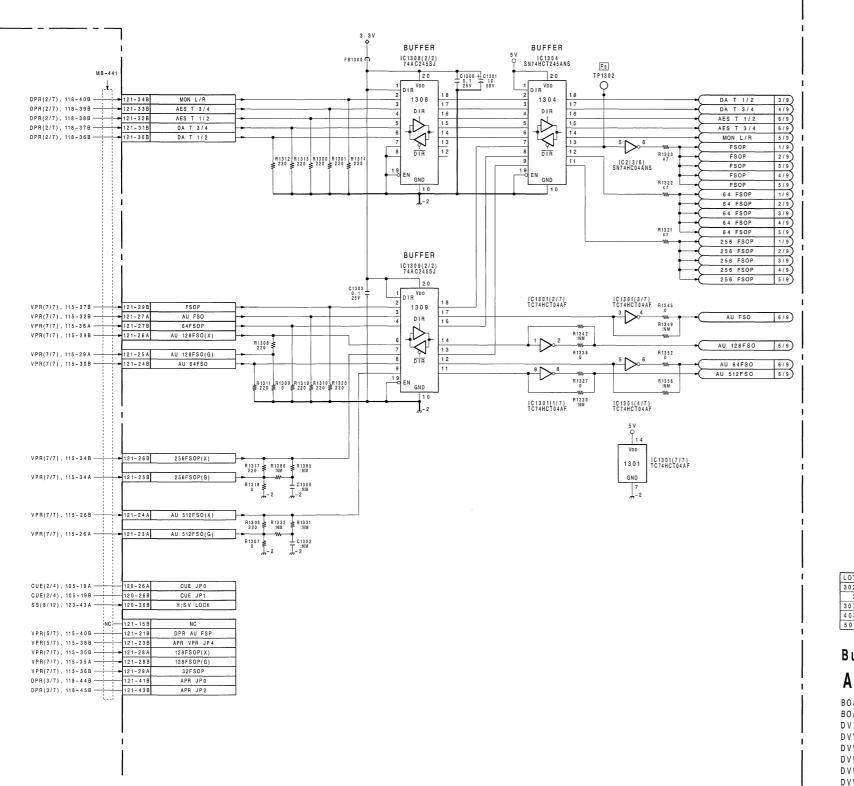
MB-441 BOARD TRANSCEIVER

R1412 R1413

R1413

R1413 119-9B 119-9B IC1306 SN74HC245ANS 2 0 1306 SIF DATA7 DIF(3/5), 112-47B SIF DATA6 121-48B - DIF(3/5), 112-47A DIR → DIF(3/5), 112-46B DIR SIF DATAS 121-48A ► DIF(3/5), 112-46A 121-47 A DIF(3/5), 112-45B
121-46B DIF(3/5), 112-45A
121-46A DIF(3/5), 112-44B SIF DATA3 SIF DATA2 SIF DATA1 121-45B DIF(3/5), 112-44A 119 - 2 5 A 119 - 2 5 A 119 - 2 5 B 119 - 2 5 B 119-42B 119-42B 119-43A 119-43A BUFFER 120-1A 120-1A 120-1B 120-1B 120-2A 120-2A 120-2B 120-2B IC1307(2/3) SN74HCT244ANS 2 0 Voo 120-3A 120-3A 120-3B 120-3B 120-4A 120-4A 1307 DIF(3/5), 112-50B
DIF(3/5), 112-49A SIF 4 \Rightarrow 120-4B 120-4B 120-6A 120-6A 120-6B 120-6B 120-7A 120-7A 120-7B 120-7B 120-8A 120-8A 120-8B 120-8B BUFFER 120-9A 120-9A 120-9B 120-9B IC1300(3/3) TC74VHC244F TP1300 TP1301 R1067 R1069 SINM NM 3.3V 120-10B 120-10B 120-11A 120-11A 1/9 AD R 1/2 8/9 AES R 1/2 6/9 AES MUTE 1/2 2/9 AD R 3/4 Vpp → DPR(2/7), 118-36A 1300 DPR(2/7), 118-38A AES R 1/2 121-32A → DPR(2/7), 118-40A AES MUTE 1/2 120-12B 120-12B 120-13 A 120-13 A → DPR(2/7), 118-37A Ş 120-14 A 120-14 A 6/9 AES R 3/4 6/9 AES MUTE 3/4 120-14B 120-14B → DPR(2/7), 118-39A DPR(2/7), 118-41A AES MUTE 3/4 R1070 R1066 R1071 R1068 S:NM S:NM S:NM S:NM 120-17 A 120-17 A 120-17 B 120-17 B 120-18B 120-18B 120-19A 120-19A 120-19B 120-19B BOARD NO. 1-648-534-11 ONLY [AD1/2 OUT] [AD3/4 OUT]
TP1300 TP1301 120-20A 120-20A 120-20B 120-20B 120-21B 120-21B 120-22B 120-22B 120-23A 120-23A 120-23B 120-23B 120-24A 120-24A 120-24B 120-24B 120-27 A 120-27 A 120-27B 120-27B 120-32A 120-32A 120-32B 120-32B ALL RESISTORS ARE 1/10 W UNLESS OTHERWISE NOTED ALL CAPACITORS ARE 50V UNLESS OTHERWISE NOTED

A B C D D E F G H



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LOT NO.	BOARD NO.
302-305	1-648-534-11
306	1-648-534-11, 1
307-402	1-648-534-12
403-412	1-648-534-13
501-909	1-648-534-14
	302-305 306 307-402 403-412

Bus Buffer APR-1 BOARD (9/9)

BOARD NO. 1-648-534-11, 12, 13, 14
BOARD'S LOT NO. 302-909
DVW-A500(J, UC) :APR-1 MCB
DVW-A500P(EK) :APR-1P MCB
DVW-A500P(UC) :APR-1P MCB
DVW-500 (J, UC) :APR-1 MCB
DVW-500P (EK) :APR-1P MCB
DVW-500P (EK) :APR-1P MCB

DVW-APR1-ALL-REC-S/M-04

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DVW-A500/500 1-37 (a) 1-37 (a)

I

J

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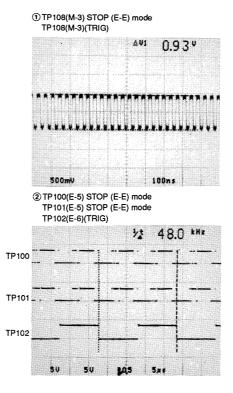
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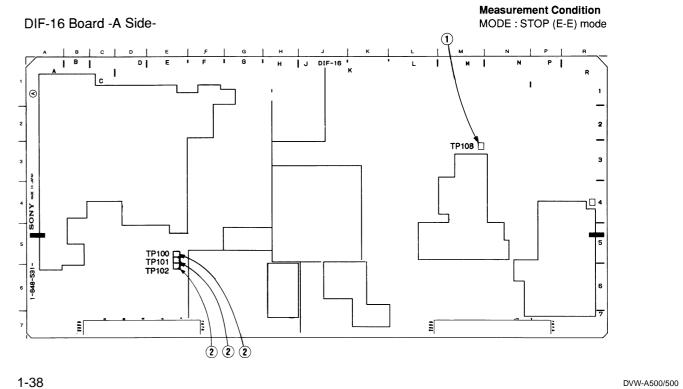
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В

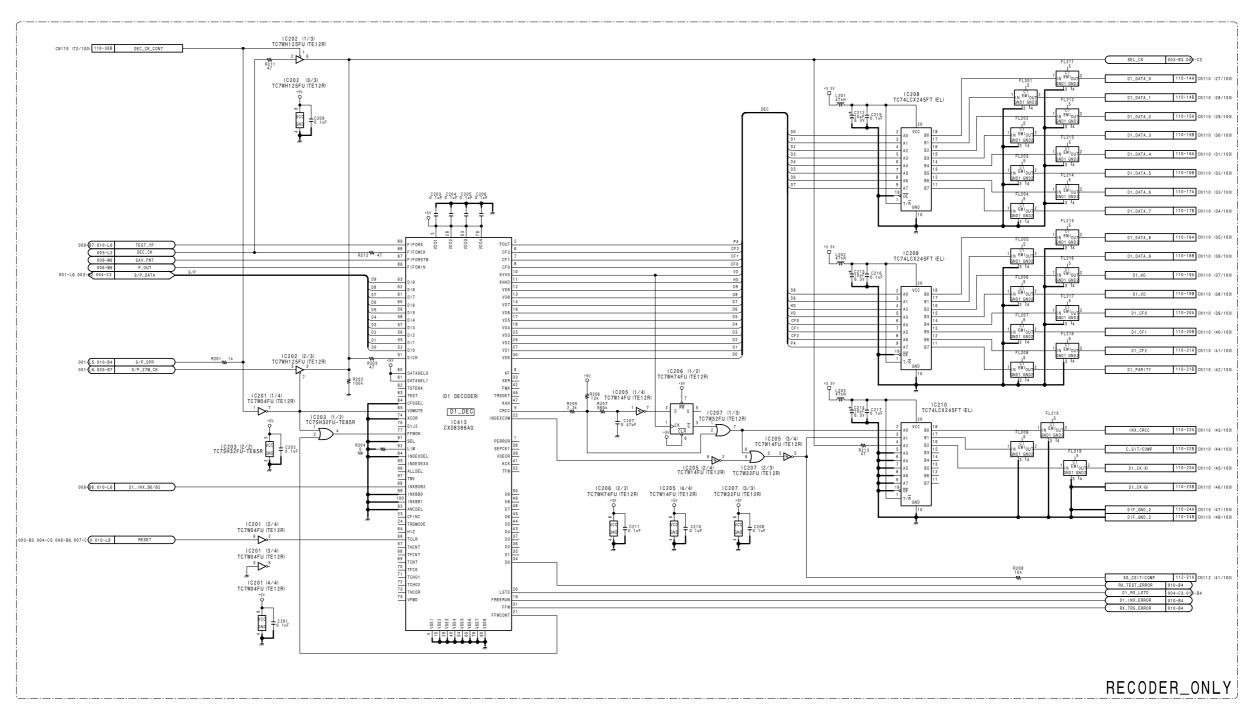
С

L78M051-FA-TL BA033FP-E2 C115 C120 C121 C122 C141 C140 220F 0.1uF 0.1uF 0.1uF 0.1uF 0.1uF Q105 Q106 2SC3356-T1K 2SC3356-T1K C123 1uF Q103 2SC3356-T1K S/P IC408 CXB1342R C152 2pF TP400 R1113 O IC102 (1/2) NJM2904V (TE2) C110 0.1uF C118 0.1uF IC102 (2/2) NJM2904V (TE2) S/P_DPR 002-B5. 010-B4 IC106 TC74VHCT541AFT (EL) RECODER_ONLY

Serial to Parallel Converter of SDI Receiver DIF-16 BOARD (1/10)

BOARD NO. 1-648-531-16
BOARD 'S LOT NO. 907DVW-A500 (J, UC) : DIF-16 MCB
DVW-A500P (EK) : DIF-16 MCB
DVW-A500P (UC) : DIF-16 MCB
DVW-500 (J, UC) : DIF-16 MCB
DVW-500P (EK) : DIF-16 MCB
DVW-500P (UC) : DIF-16 MCB

1-40 (c) 1-40 (c) DVW-A500/500 **E** | **F** | **G** | **H**



D1 Decoder of SDI Receiver DIF-16 BOARD (2/10)

BOARD NO. 1-648-531-16
BOARD 'S LOT NO. 907DVW-A500 (J, UC) : DIF-16 MCB
DVW-A500P (EK) : DIF-16 MCB
DVW-500 (J, UC) : DIF-16 MCB
DVW-500 (J, UC) : DIF-16 MCB
DVW-500P (EK) : DIF-16 MCB
DVW-500P (UC) : DIF-16 MCB

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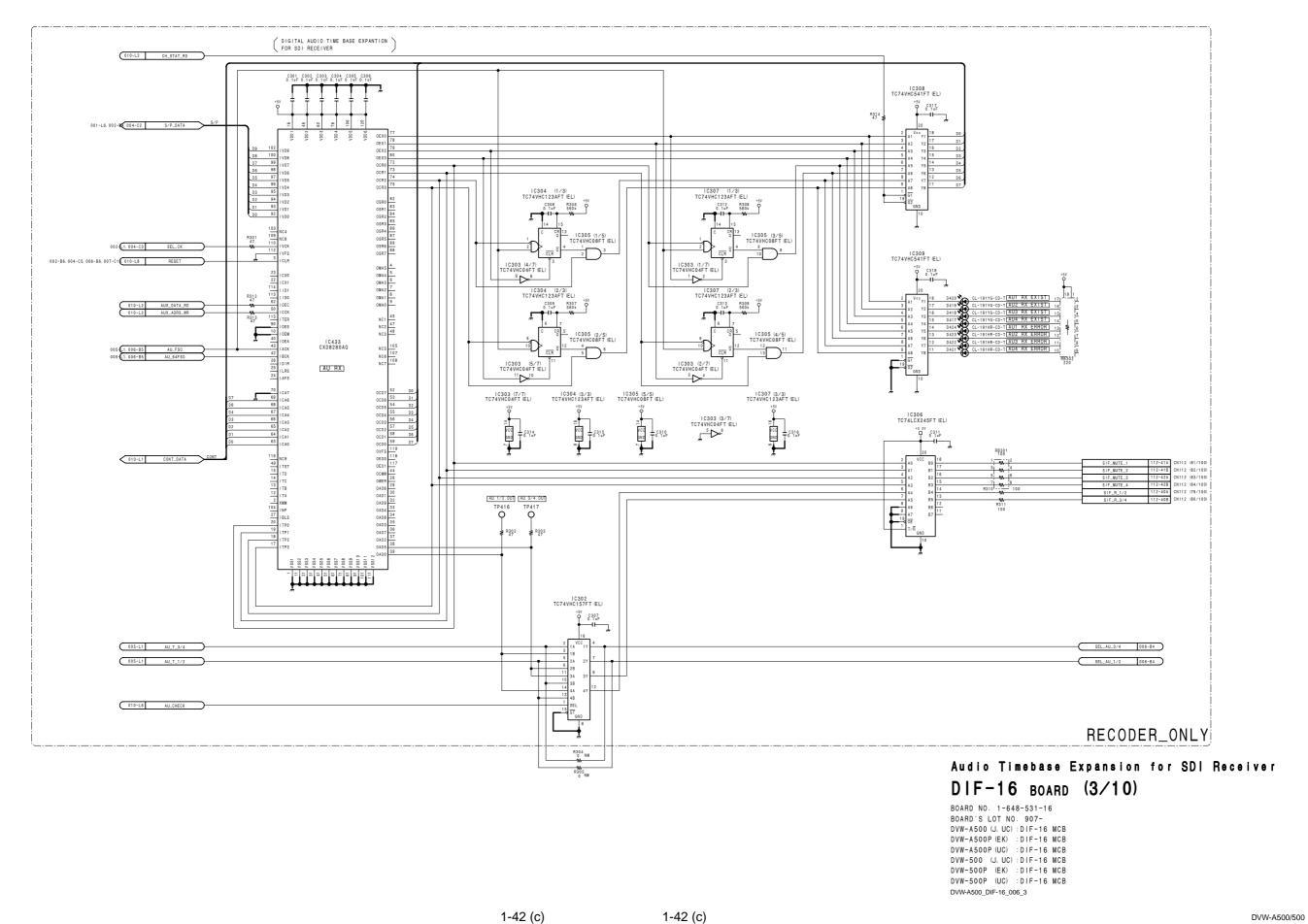
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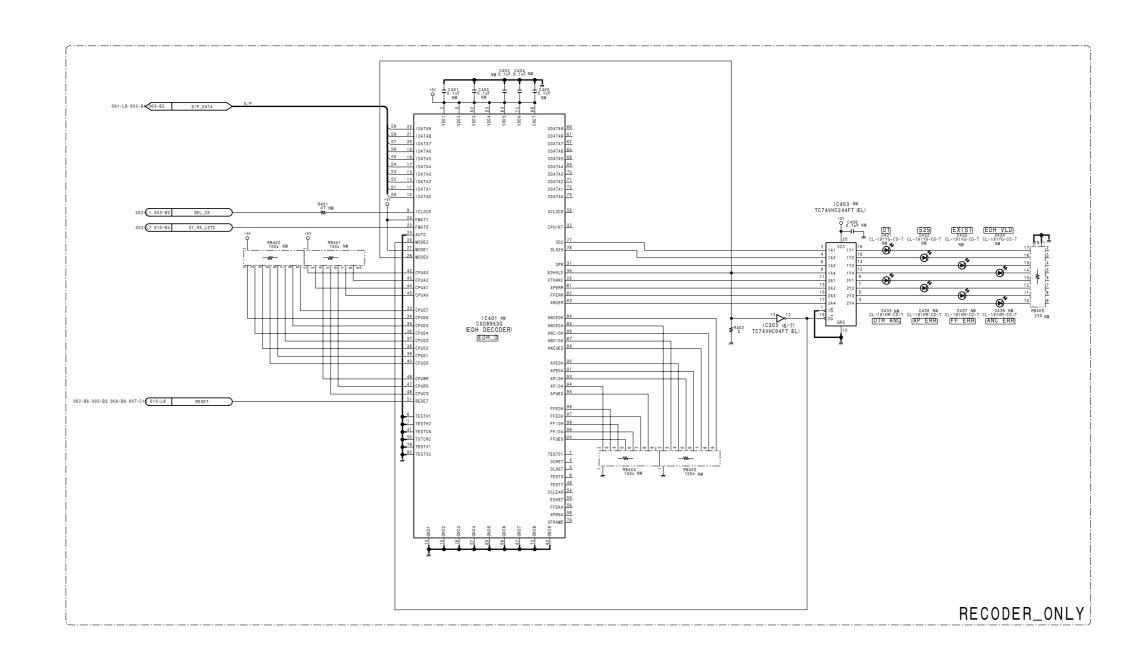
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B C D E F G H



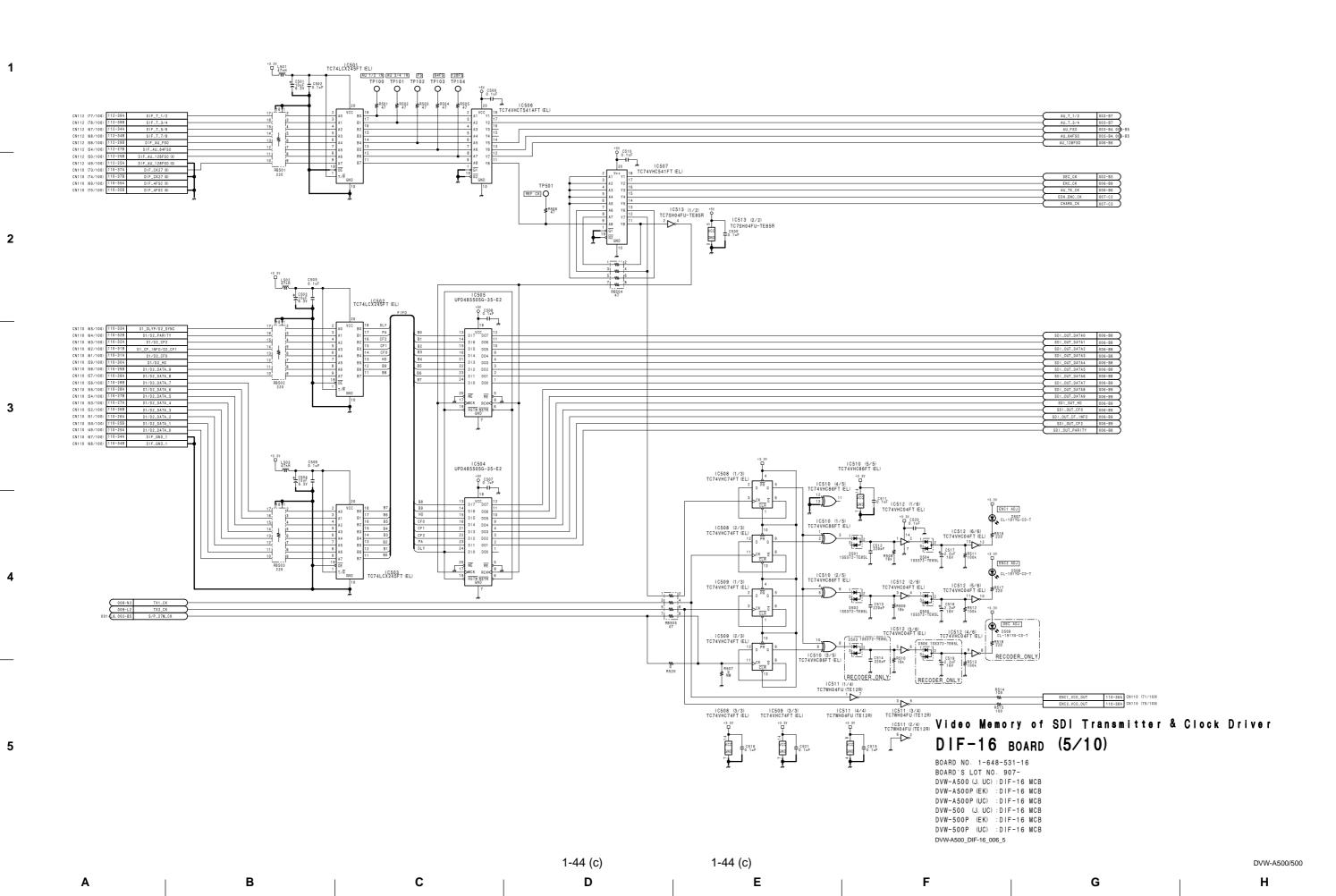
EDH Decoder of SDI Receiver DIF-16 BOARD (4/10)

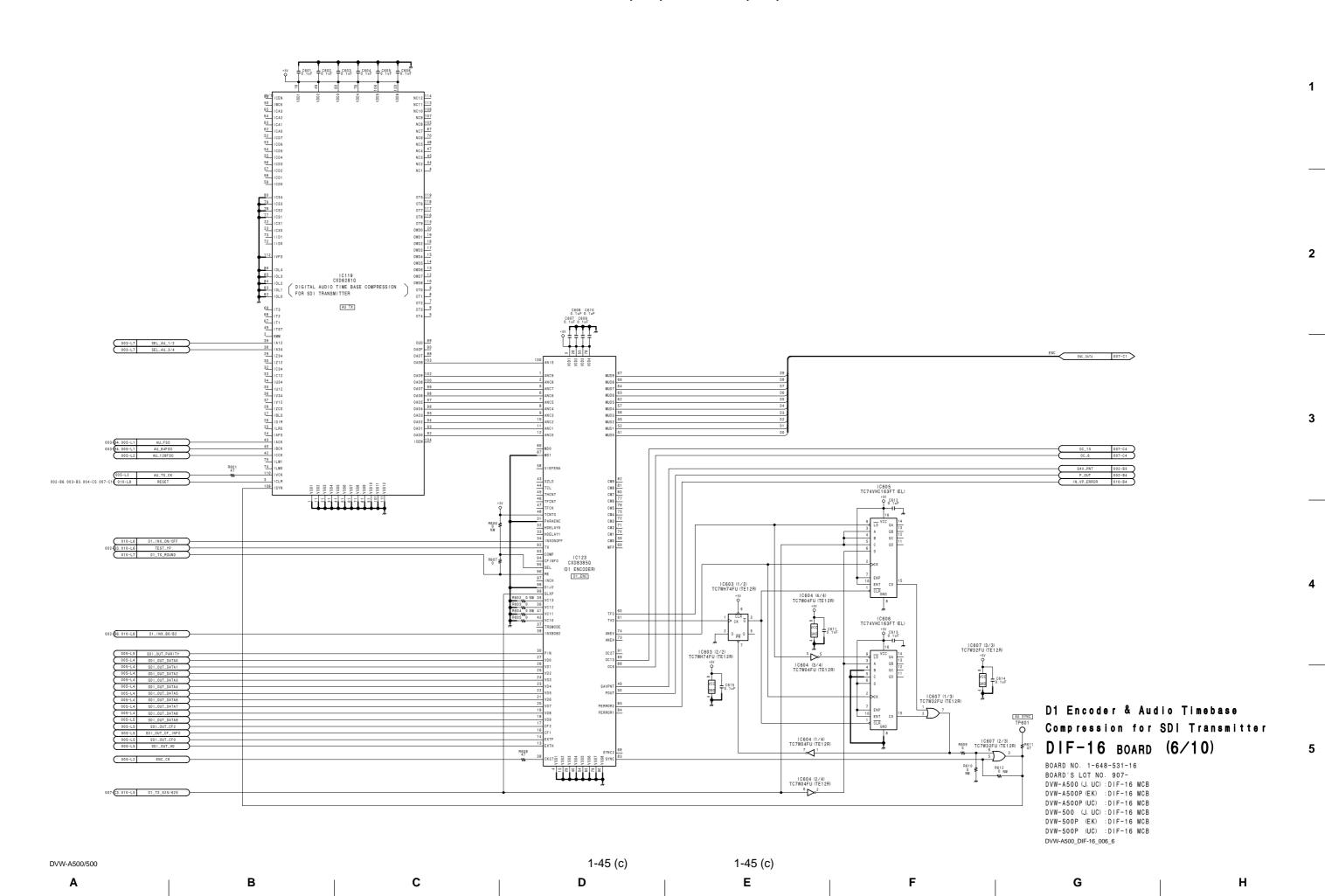
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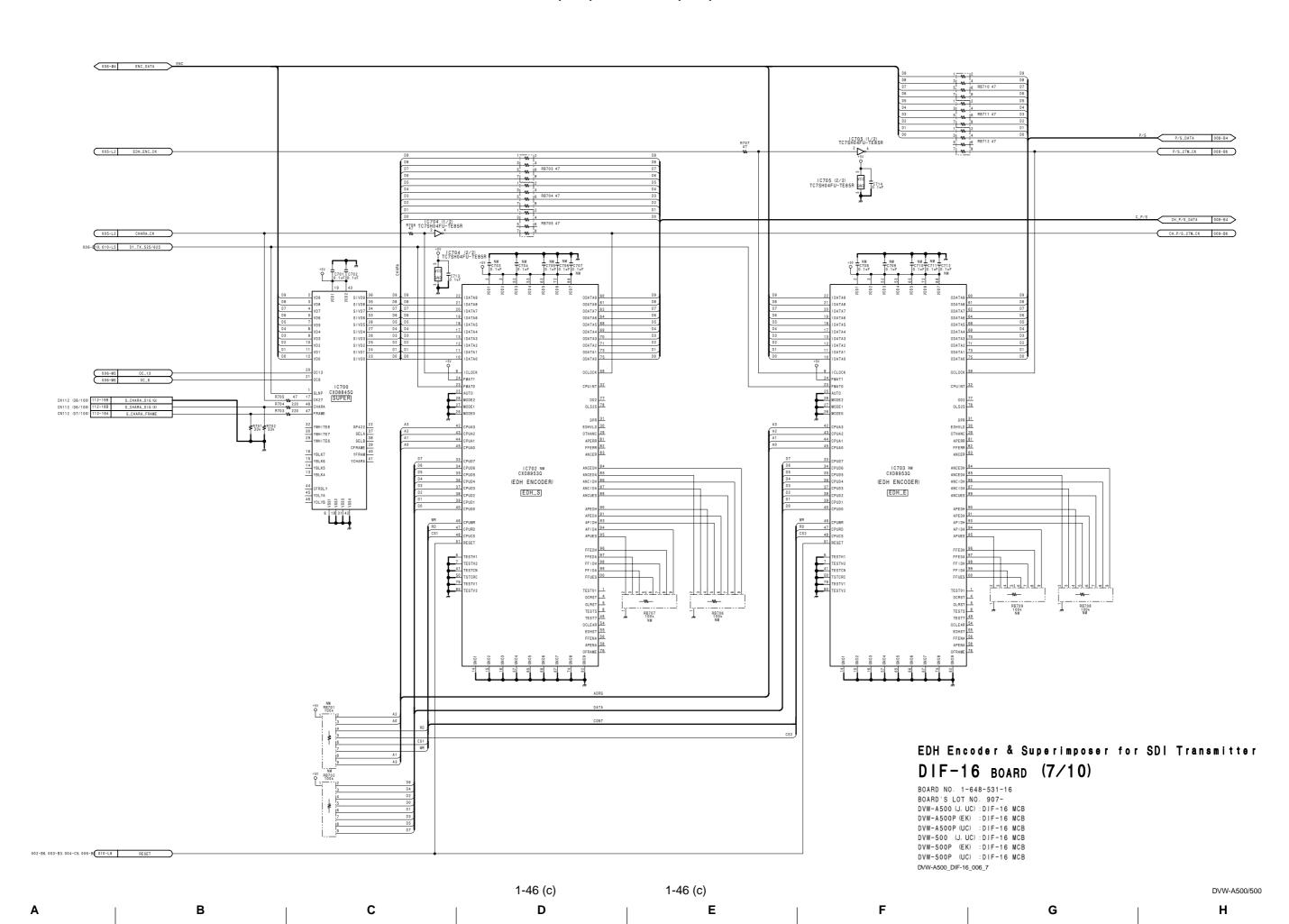
BOARD NO. 1-648-531-16
BOARD'S LOT NO. 907DVW-A500 (J, UC) : DIF-16 MCB
DVW-A500P (EK) : DIF-16 MCB
DVW-A500P (UC) : DIF-16 MCB
DVW-500P (J, UC) : DIF-16 MCB
DVW-500P (EK) : DIF-16 MCB
DVW-500P (UC) : DIF-16 MCB DVW-A500_DIF-16_006_4

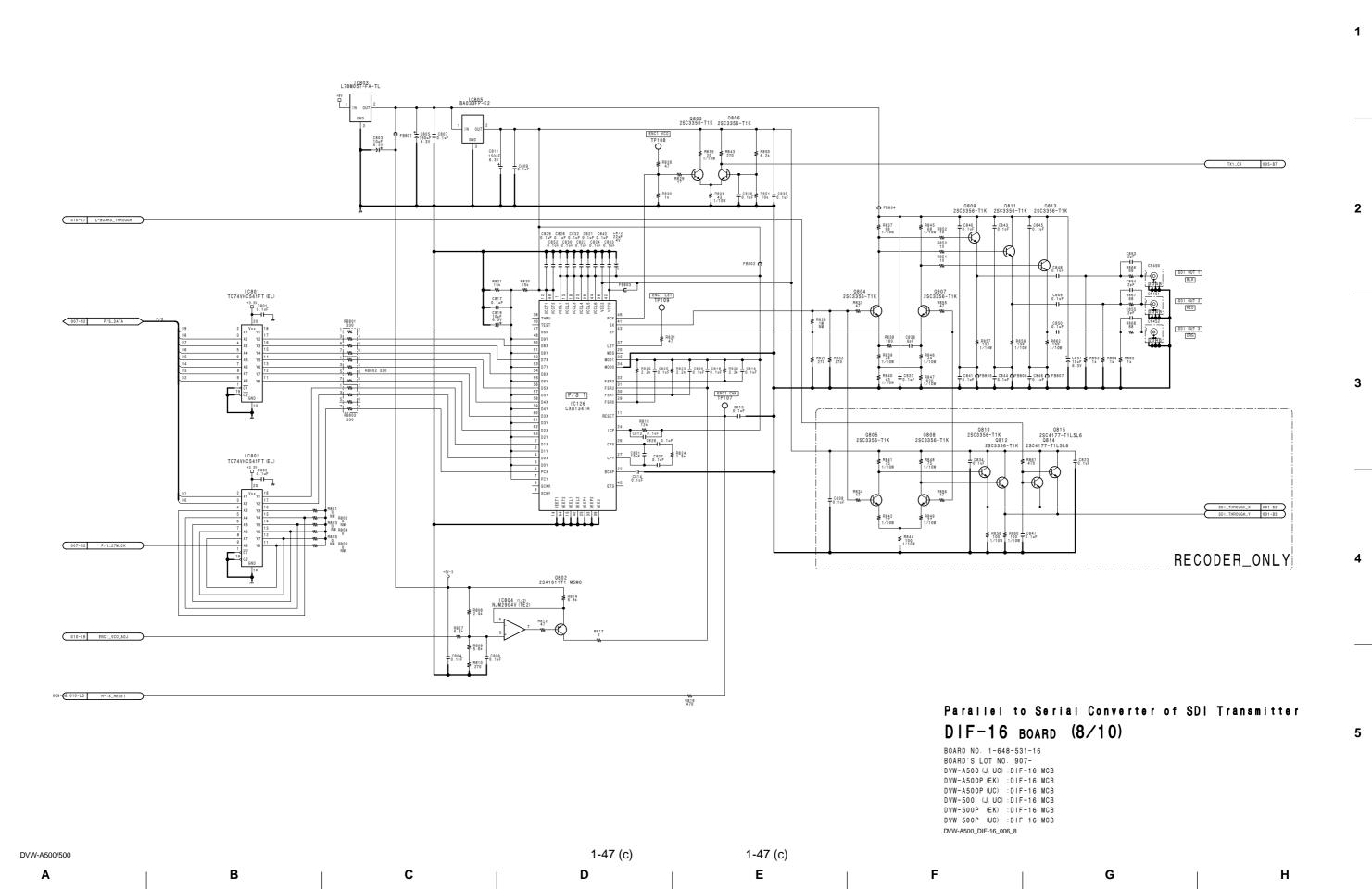
DVW-A500/500 1-43 (c) 1-43 (c) Α

Ε В D G





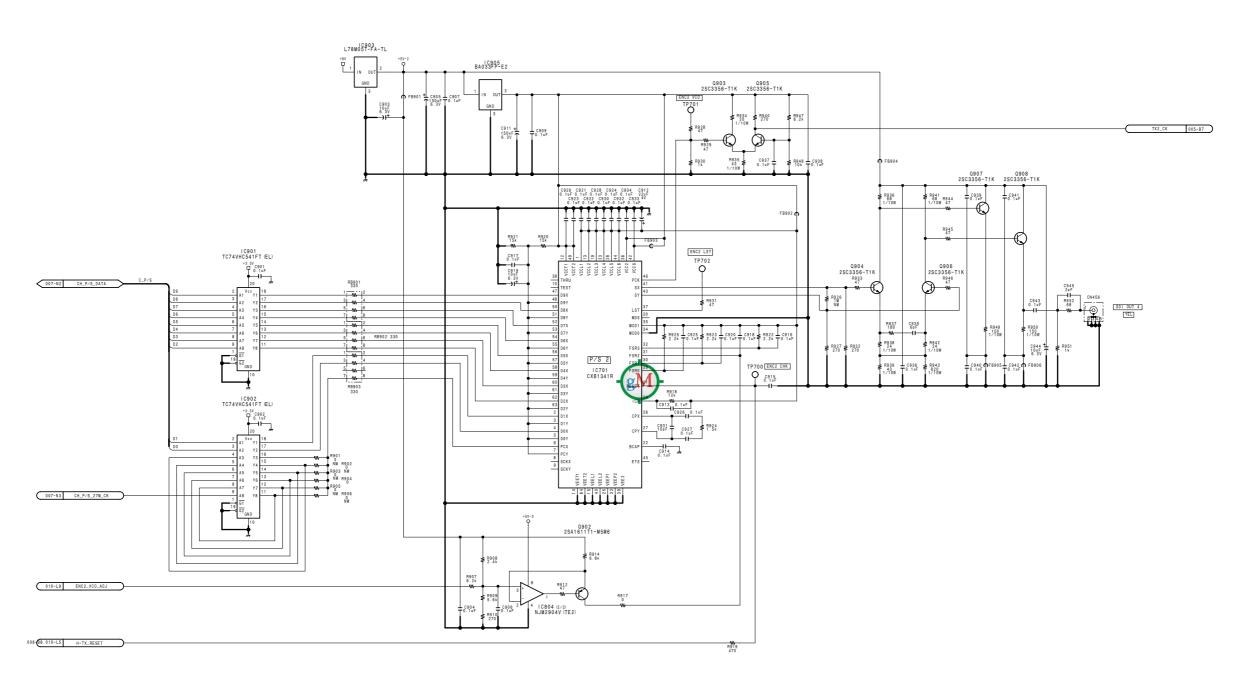




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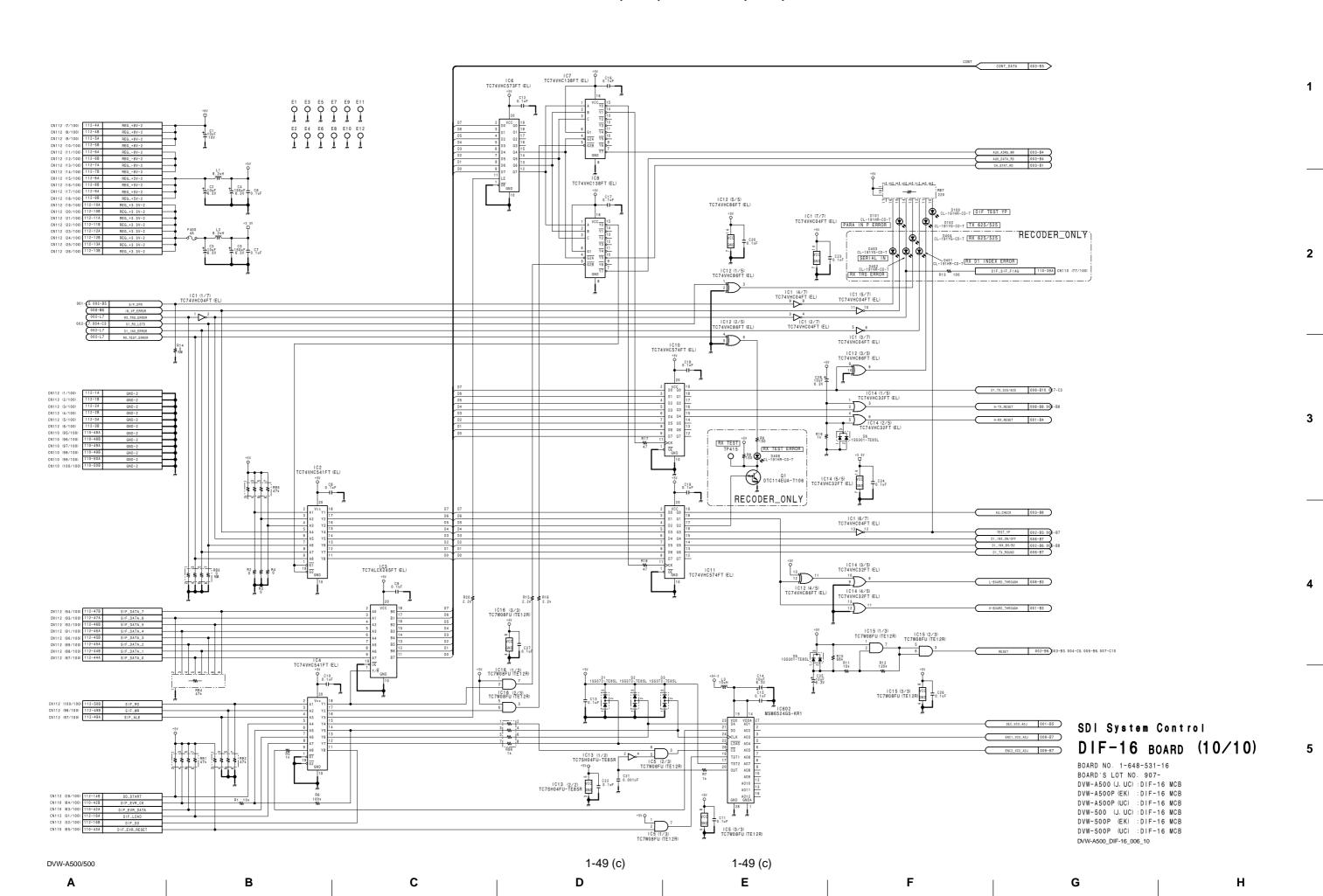


Parallel to Serial Converter with Superimpose of SDI Transmitter DIF-16 BOARD (9/10)

BOARD NO. 1-648-531-16
BOARD'S LOT NO. 907DVW-A500 (J. UC): DIF-16 MCB
DVW-A500P (EK): DIF-16 MCB
DVW-A500P (J. UC): DIF-16 MCB
DVW-500 (J. UC): DIF-16 MCB
DVW-500P (EK): DIF-16 MCB
DVW-500P (UC): DIF-16 MCB
DVW-500P (UC): DIF-16 MCB

1-48 (c) 1-48 (c) DVW-A500/500

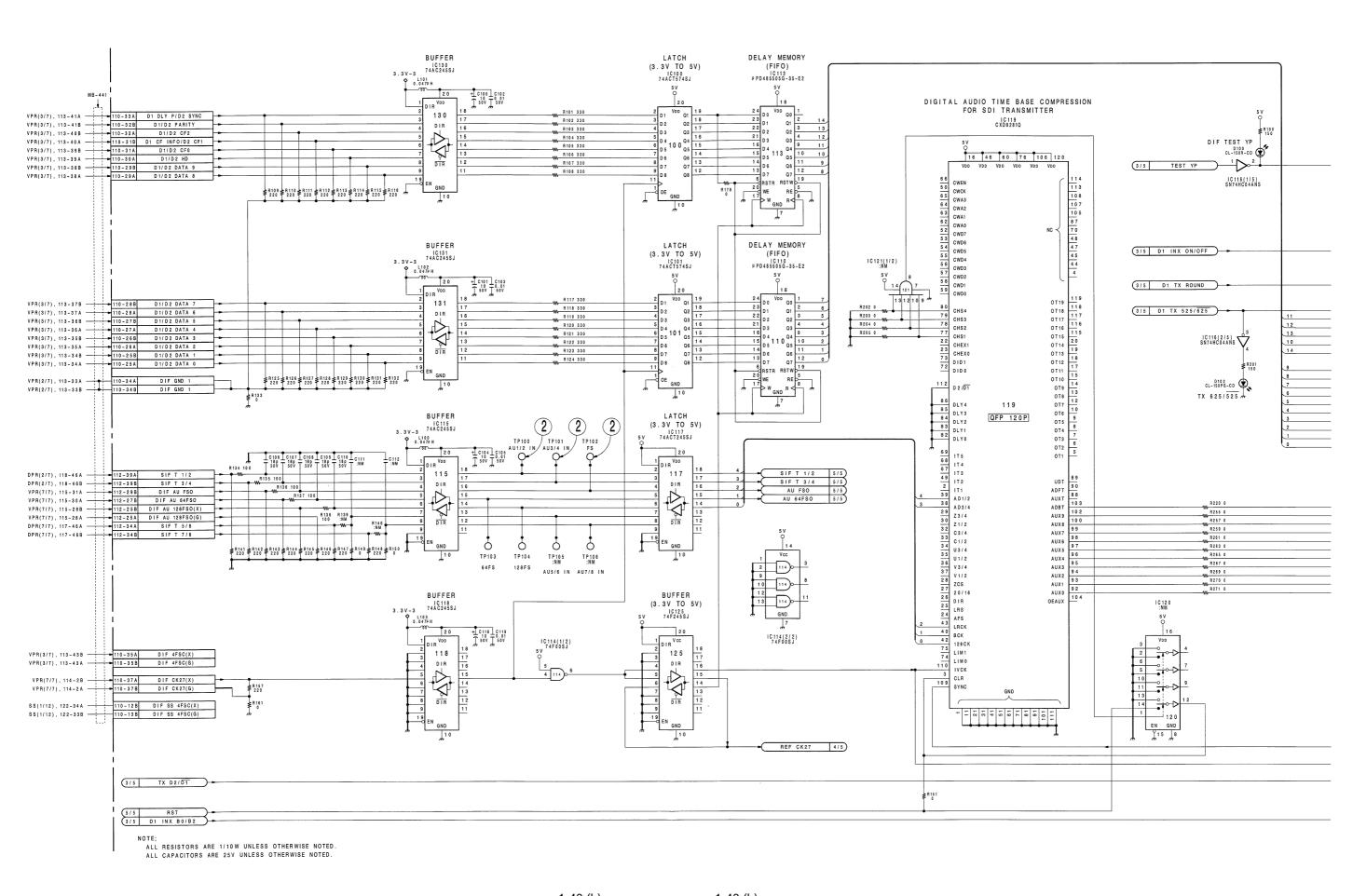
A | B | C | D | E | F | G | H



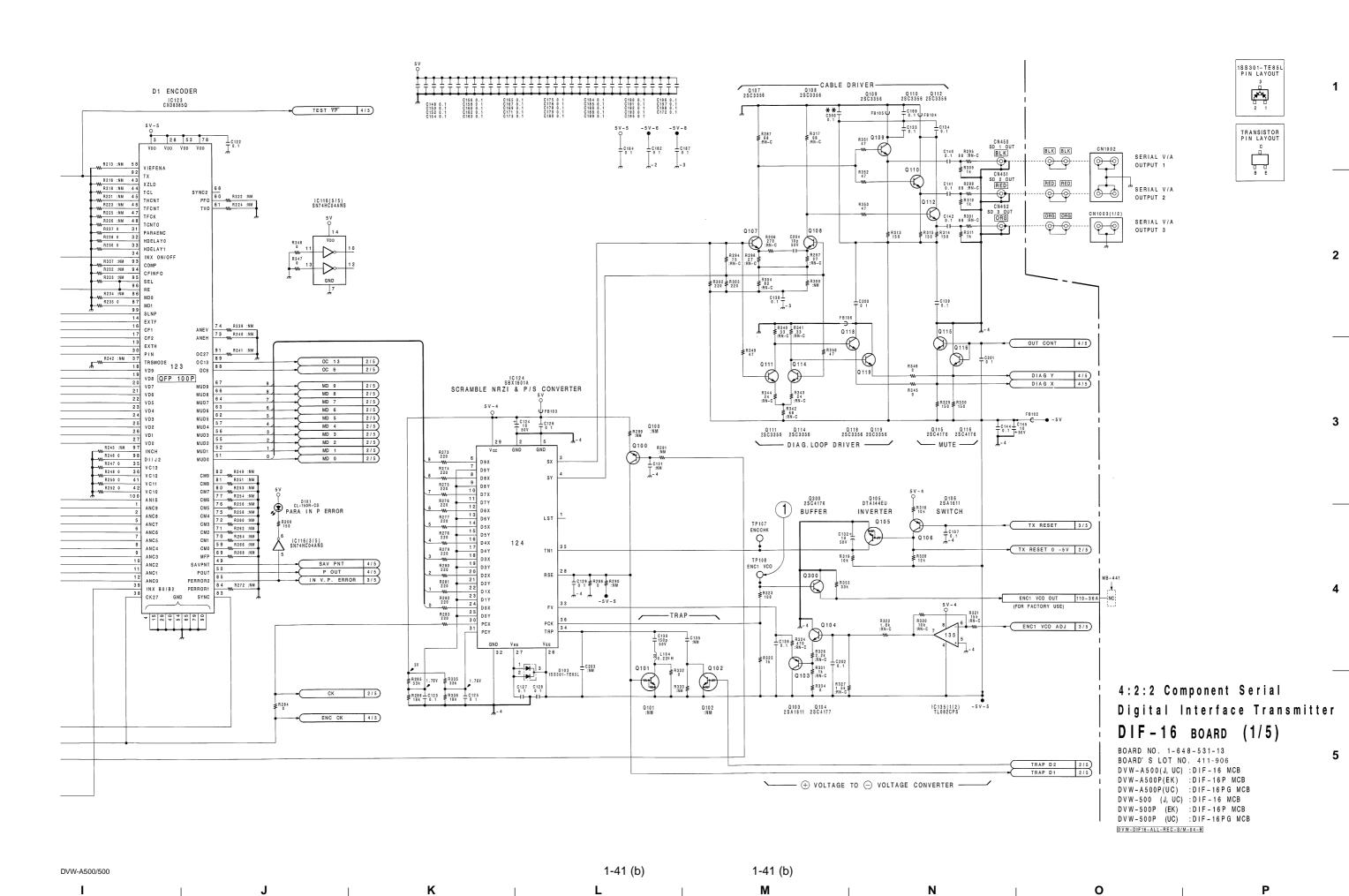
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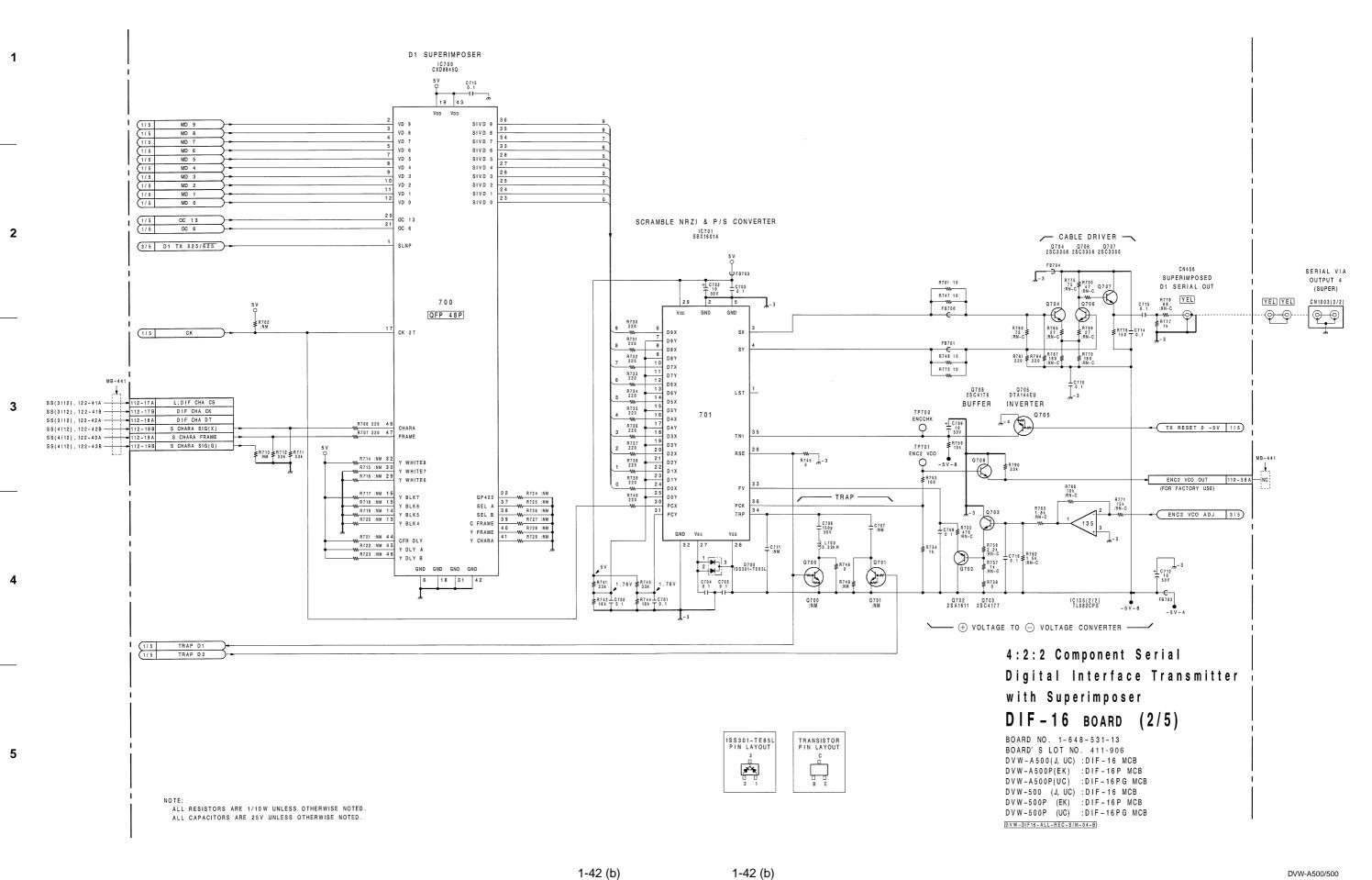
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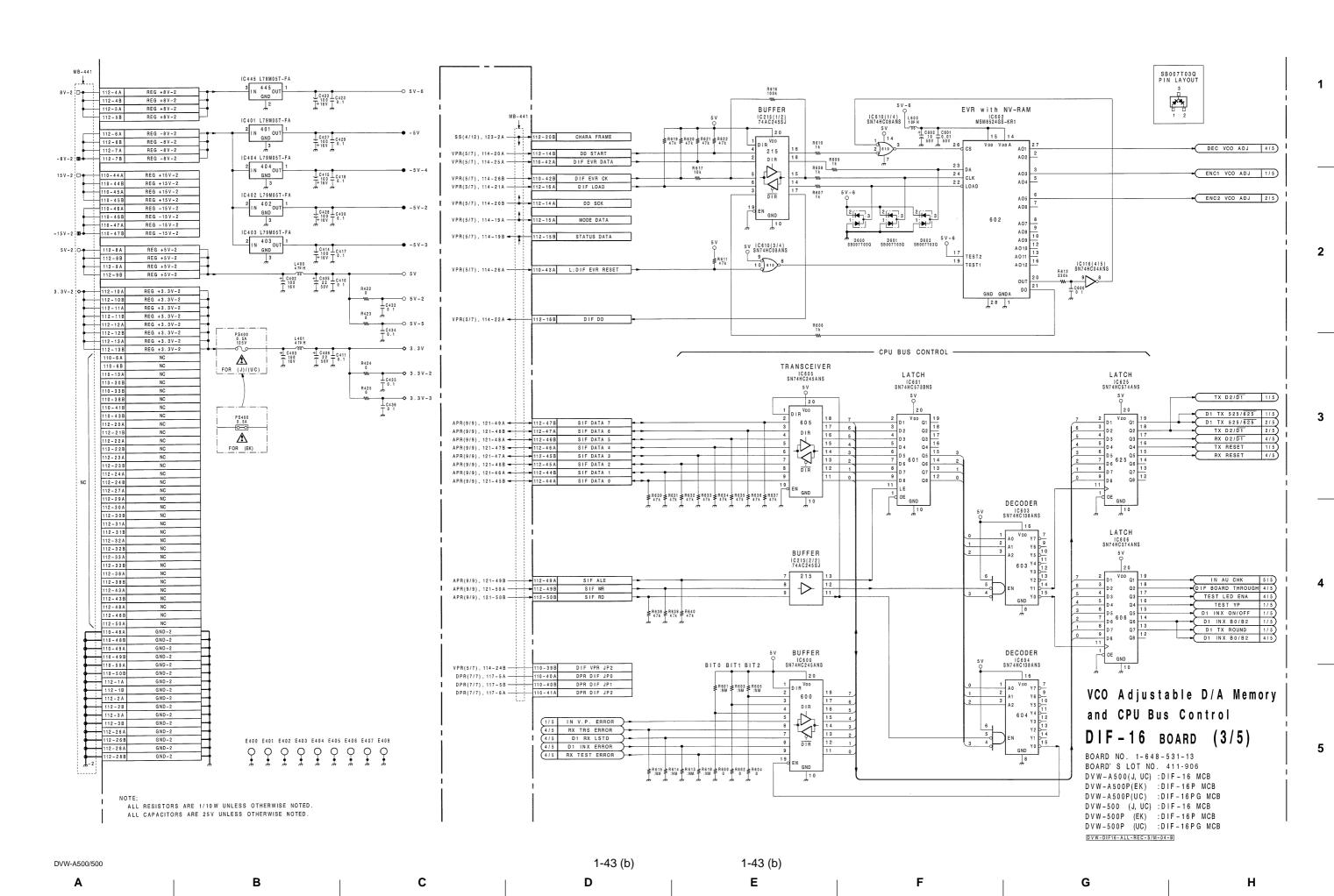


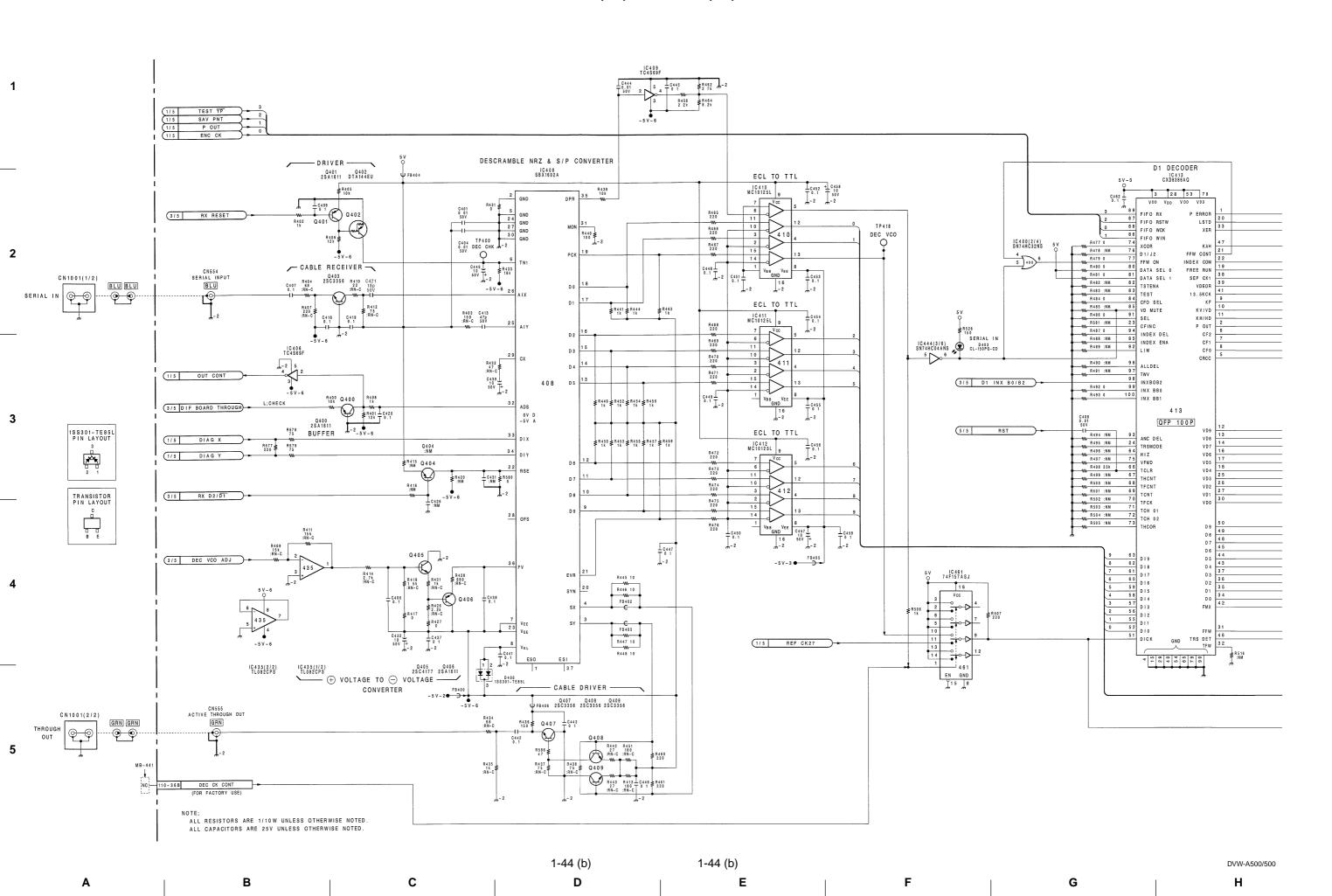
A B C D D F G H

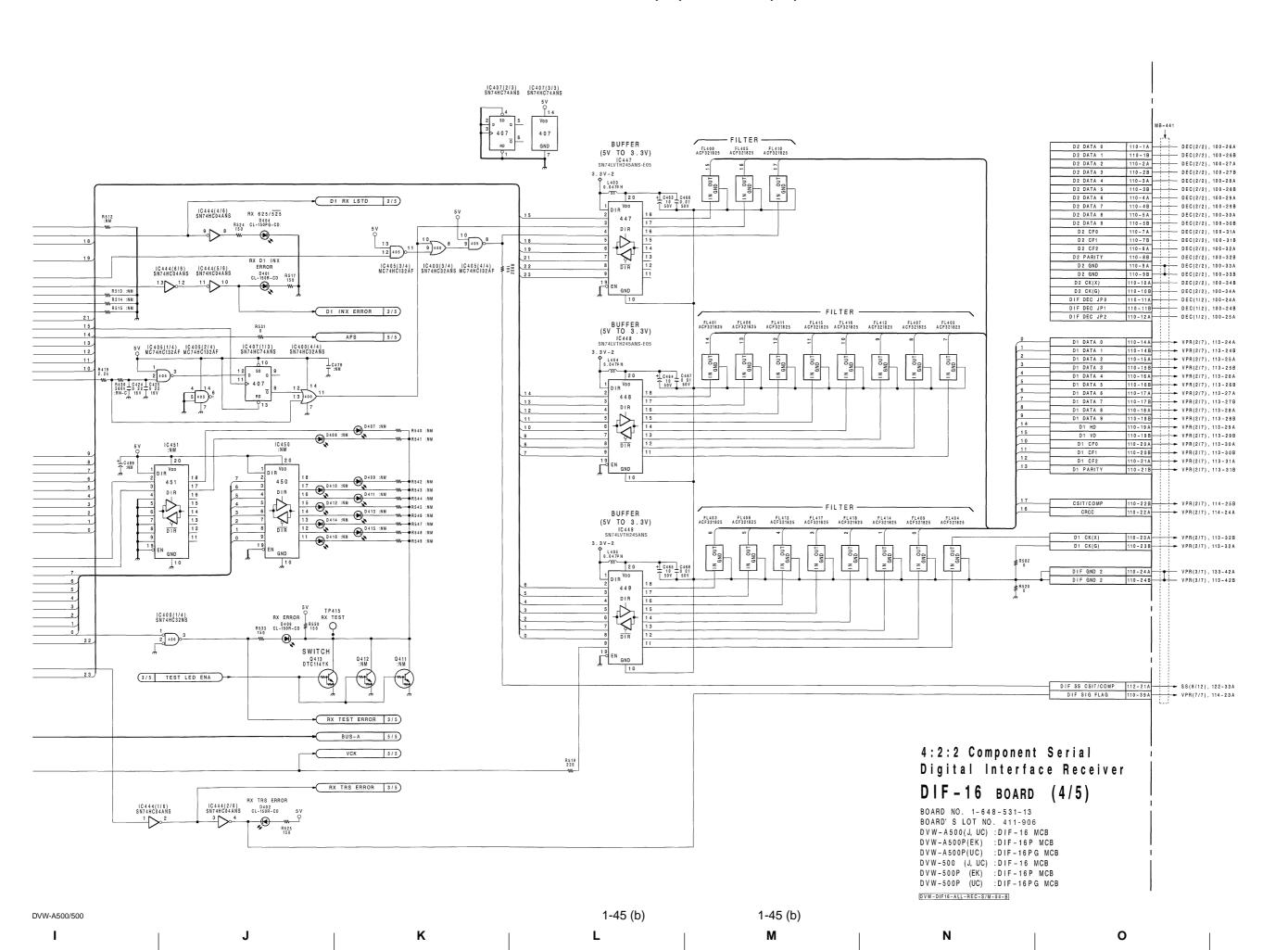




A B C D E F G H







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3/5 SIF DATA 0-7 DIGITAL AUDIO TIME BASE EXPANSION FOR SDI RECEIVER IC442 74ACT157SJ IC 433 CXD8280AQ 5V 0 16 46 60 76 106 120 Voo AD1/2 39 0 AD3/4 38 1 1/5 SIF T 1/2 AD3/4
NC
SERR
UDPER
DEERR
DEERR 1/5 SIF T 3/4 __i 4 4 2 3/5 IN AU CHK TP406 :NM CSE TP408 :NM UA
TP408 :NM DC
TP409 :NM DCP TP410 :NM DBN TP411 :NM DBNP TP412 :NM DID BCK CONTROL 1C610(4/4) SN74HC08ANS 12 13 610 11 TP413 :NM DIDP IC432(3/4) :NM IC429(5/5) SN74HC04ANS DLY5 DLY4 DLY2 DLY1 433 CRD7 CRD7 CRD6 CRD5 CRD4 55 CRD4 3/5 AUX DATA RD14 QFP 120P 50 CRCK EMDB 0115 CRCK EMDB 05 CRCR 00 OEDLY 00 OEDLY 00 OEDLY 27 20/16 25 LRS 24 AFS 3/5 AUX ADRS WR14 TP 4 0 5 F 6 4 1 CRD2 CRD1 FS1 IC121(2/2) :NM AU FSO EXT4 AU 64FSO EXT3 EXT2 EXT1 ERR4 4/5 AFS R529 R530 R585 R587 :NM R529 R530 R585 R587 ERR3 ERR2 TRS — POWER ON RESET ERRI 72 (1986)

RERI 119

OT3 44 (1976)

OT3 24 (1976)

OT4 28 TP414

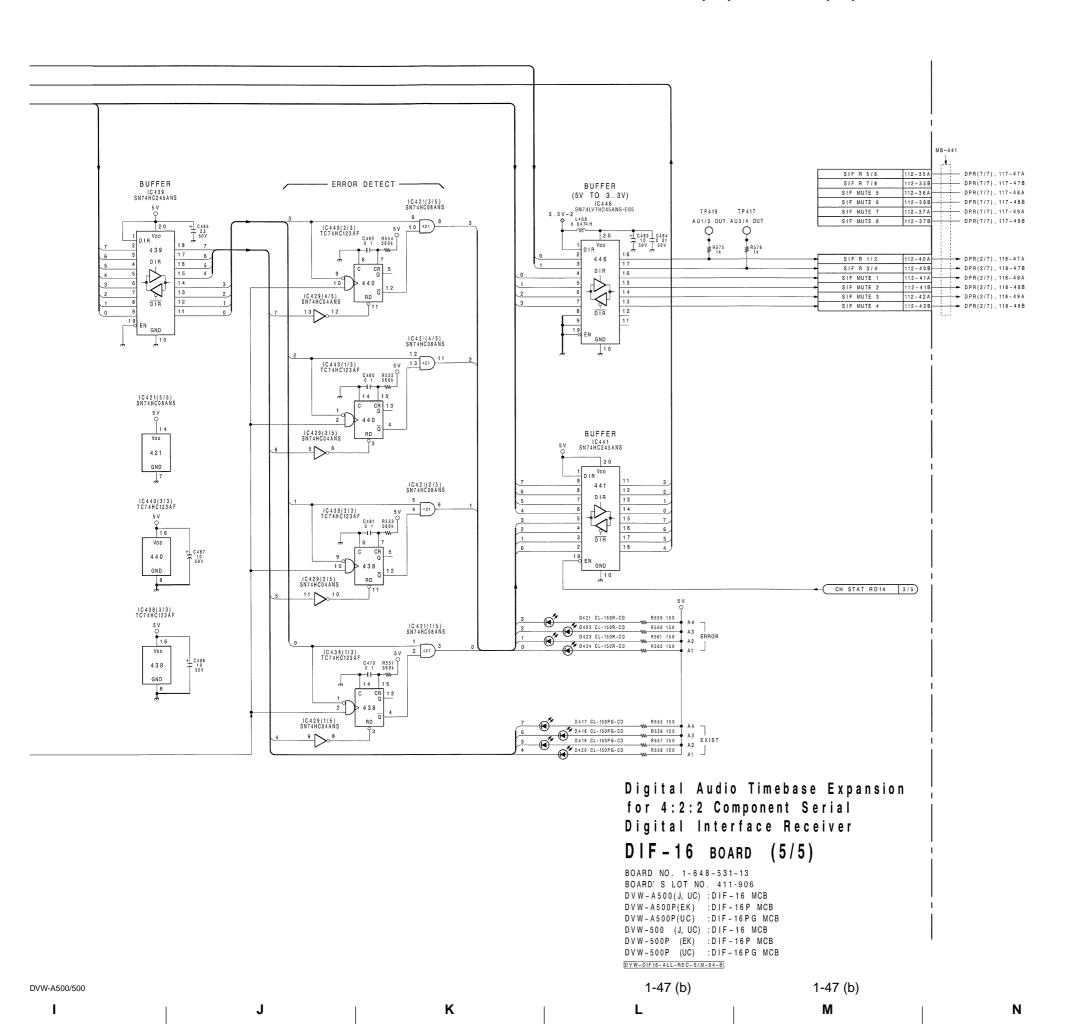
Z 3/4 30 WRDL

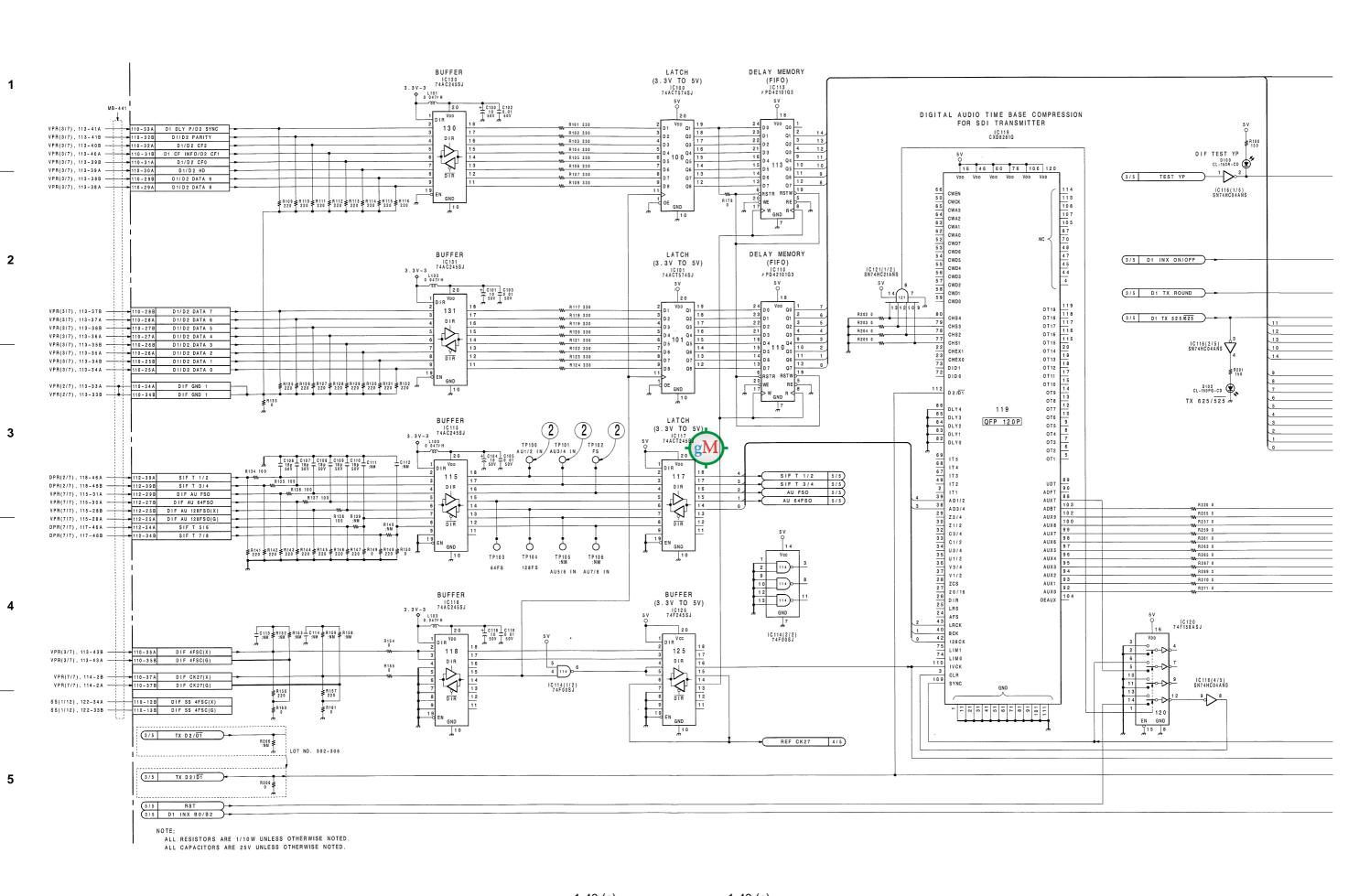
Z 3/4 30 WRDL

Z 3/4 33 34 U3/4

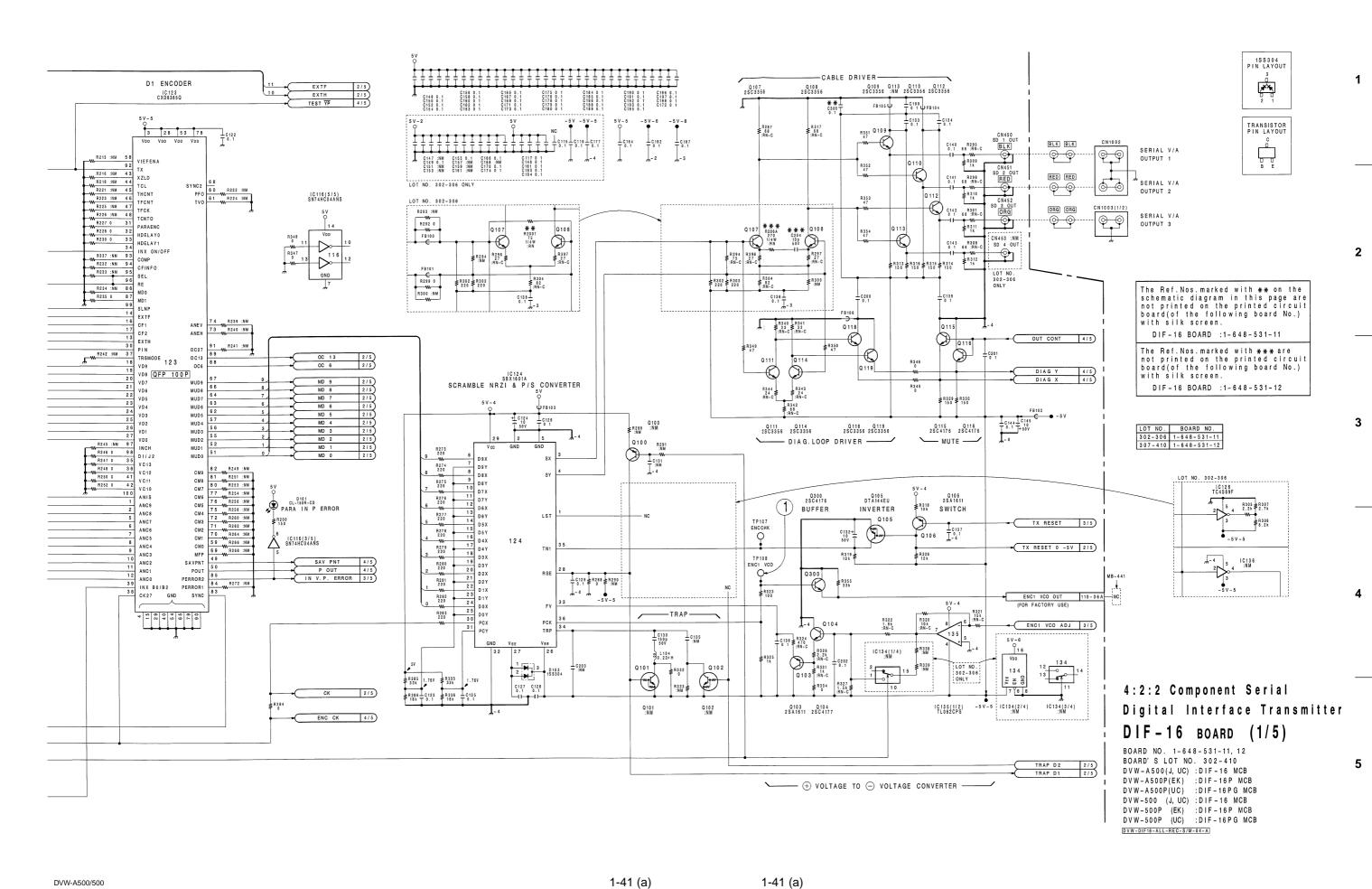
U3/4 35 V3/4 35

V3/4 37 BUS-A 99 AUX7
98 AUX6
97 AUX5
96 AUX4
95 AUX3
94 AUX2
93 AUX1
112 AUX0 AUX8 1C432(4/4) :NM 9 432 8 112 D2/D1 110 VCK CLR VCK 1SS301-TE85L PIN LAYOUT 2 1 ALL RESISTORS ARE 1/10 W UNLESS OTHERWISE NOTED. ALL CAPACITORS ARE 25 V UNLESS OTHERWISE NOTED.





1-40 (a) 1-40 (a) 500/500 B C D E F G H



I J K L M N O F

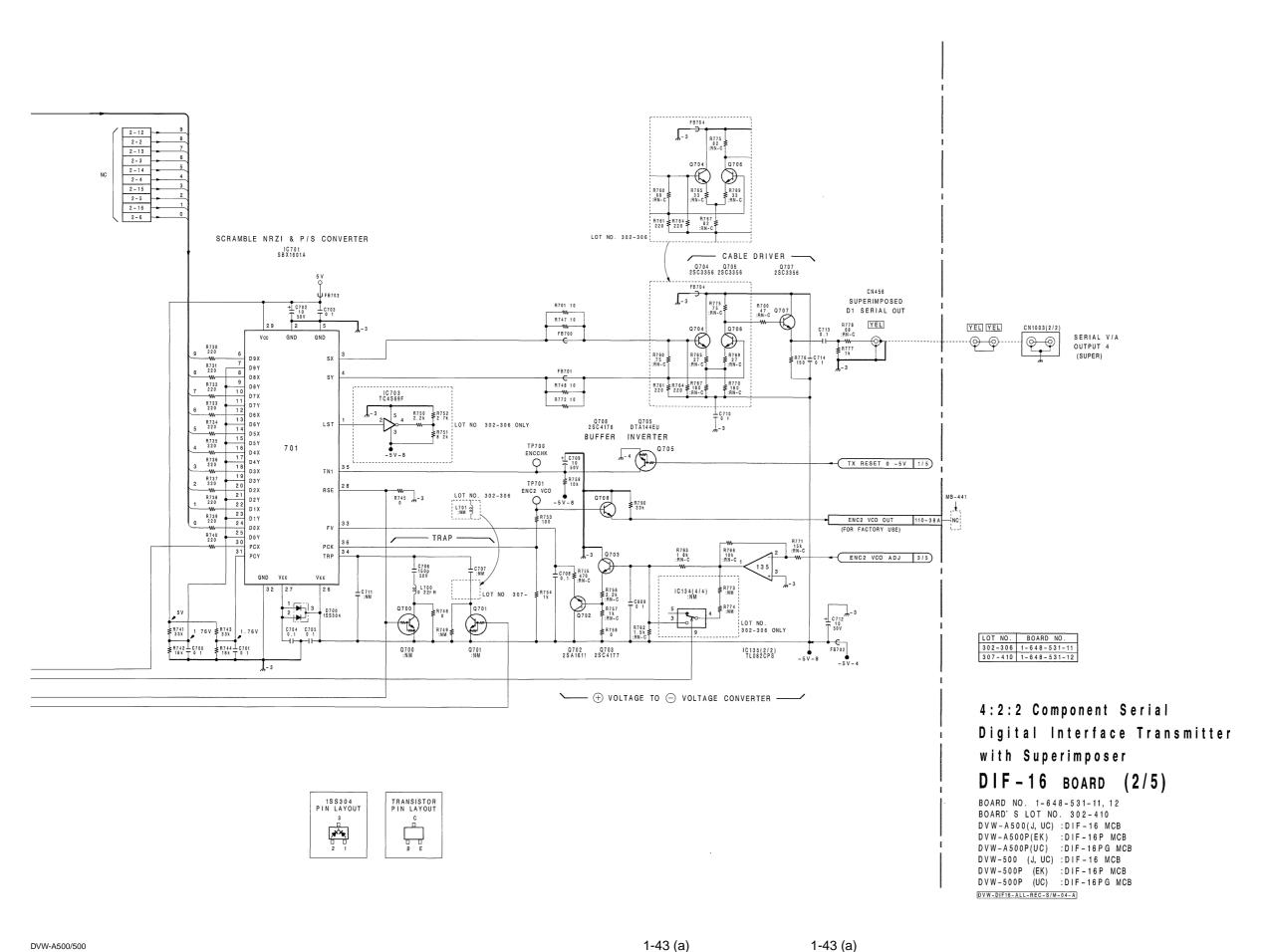
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D1 SUPERIMPOSER 1C700 CXD8845Q 9 1-12 8 1-2 7 1-13 6 1-3 5 1-14 4 1-4 3 1-15 2 1-5 1 1-16 SIVD 8 SIVD 7 MD 7 SIVD 6 SIVD 5 SIVD 4 SIVD 3 SIVD 2 SIVD 1 SIVD 0 3/5 D1 TX 525/625 700 QFP 48P 705 DIR DIR \$\$(3/12), 122-41A | 112-17A \$\$(3/12), 122-41B | 112-17B \$\$(3/12), 122-42A | 112-18A \$\$(4/12), 122-42B | 112-18B \$\$(4/12), 122-43A | 112-19A \$\$(4/12), 122-43B | 112-19B W R704 220 W R705 220 W R706 220 W R707 220 DIF CHA CK DIF CHA DT 15 R768 :NM 14 R751 :NM S CHARA SIG(X) S CHARA FRAME ₹8713 \$8712 \$8711 \$8710 \$8709 \$8708 \$18M \$33k \$33k \$33k \$33k BUFFER R715 :NM 3 0 GP422 SEL A SEL B W R718 :NM 15
W R719 :NM 14
W R720 :NM 13 Y BLK6 Y BLK5 C FRAME Y FRAME 3/5 TX D2/D1 LOT NO. 302-306 CN1, CN2; NO MOUNTED 705 DIR ALL RESISTORS ARE 1/10W UNLESS OTHERWISE NOTED. ALL CAPACITORS ARE 25V UNLESS OTHERWISE NOTED. BUFFER IC705(1/3) SN74HC245ANS

1-42 (a) 1-42 (a) DVW-A500/500 F G H



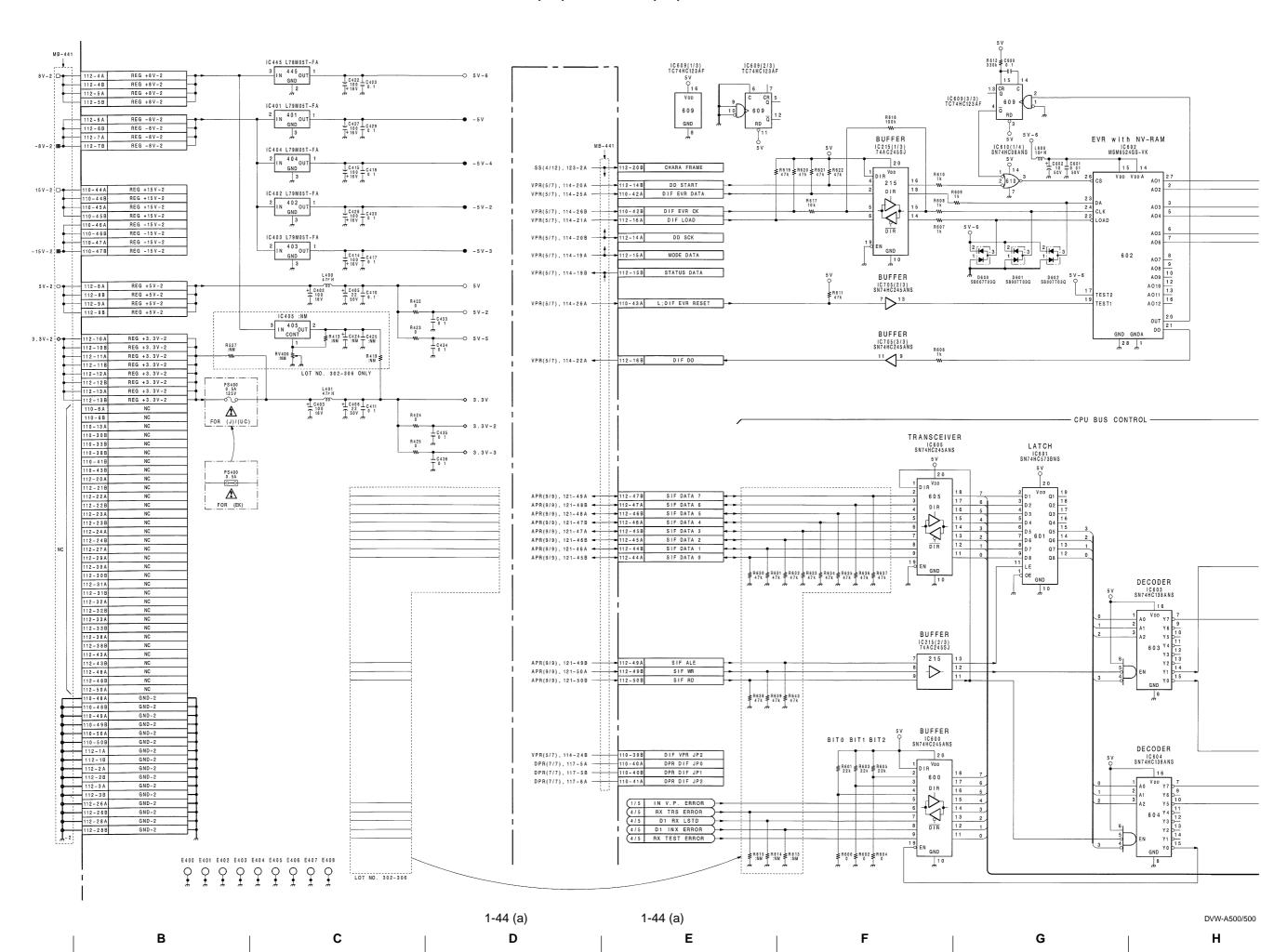
1-43 (a)

K

M

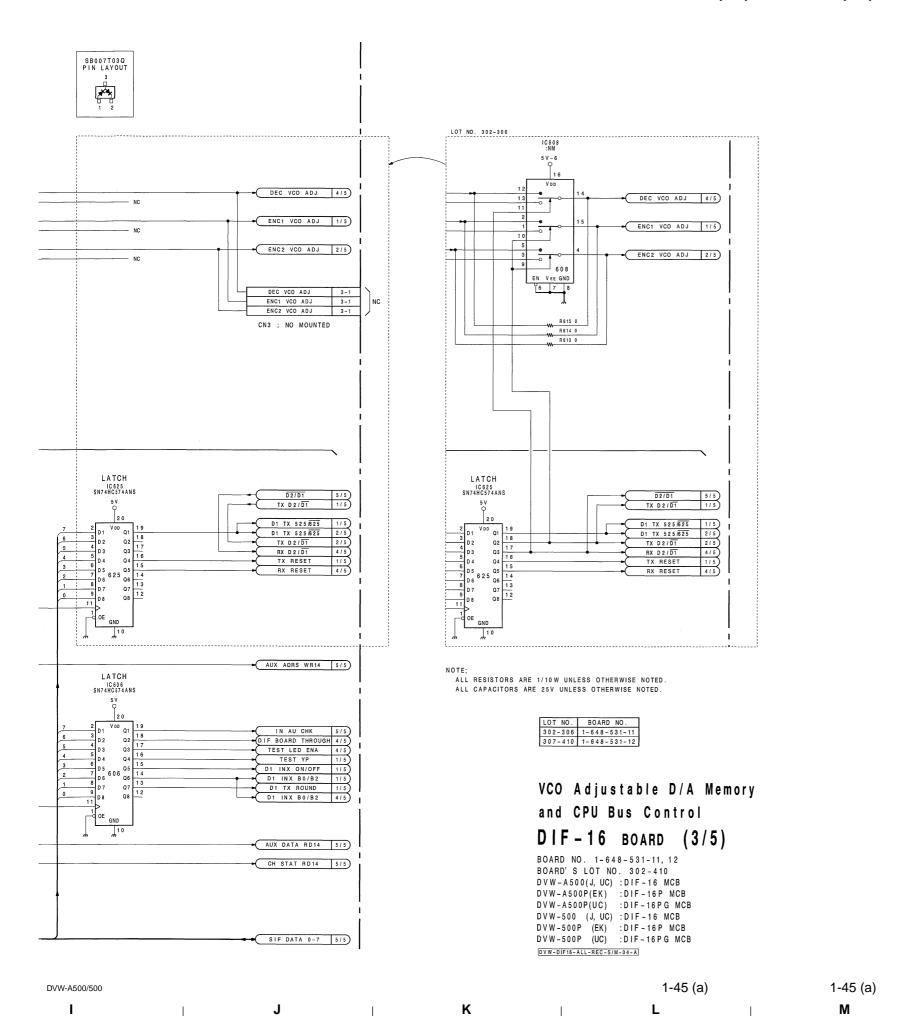
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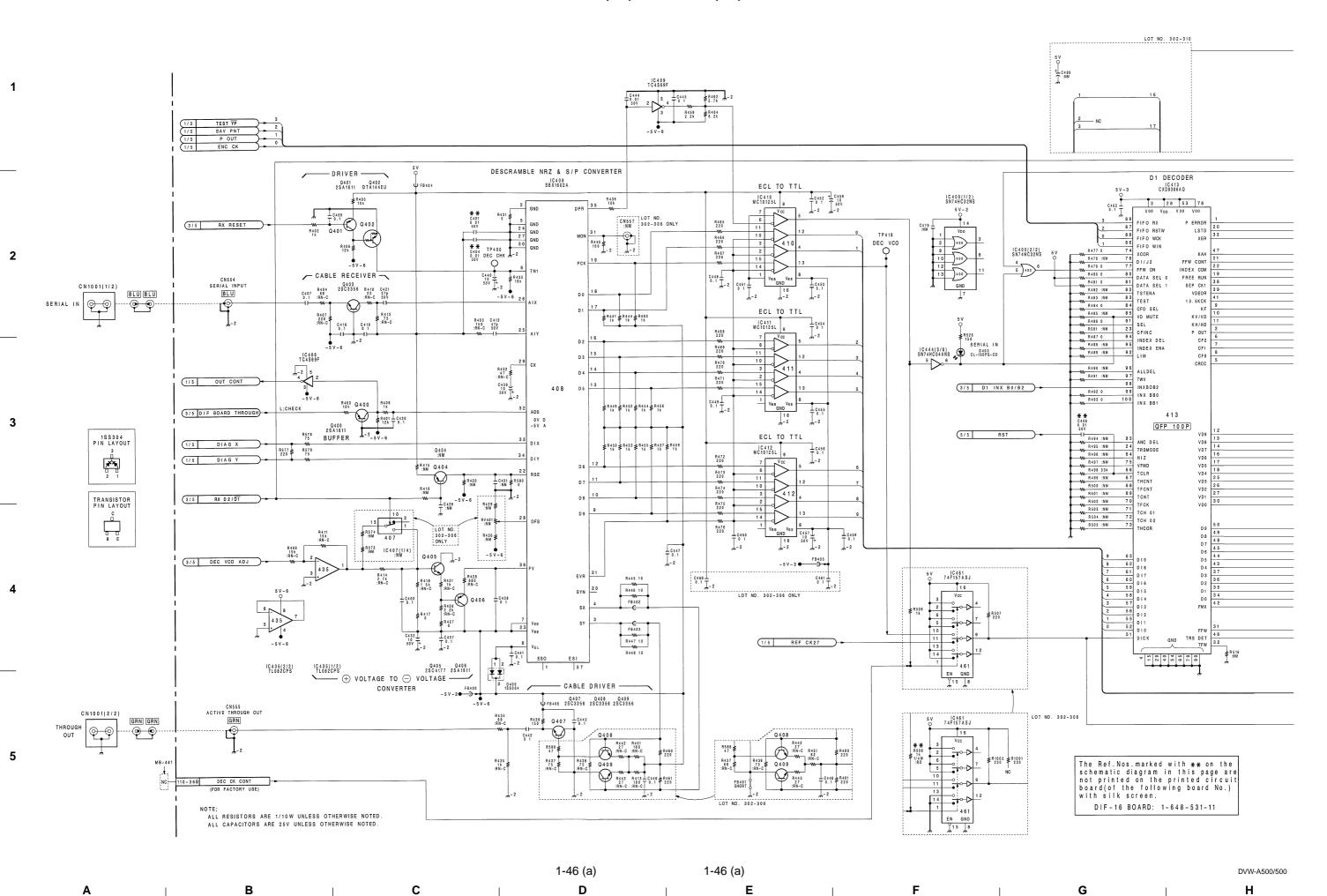


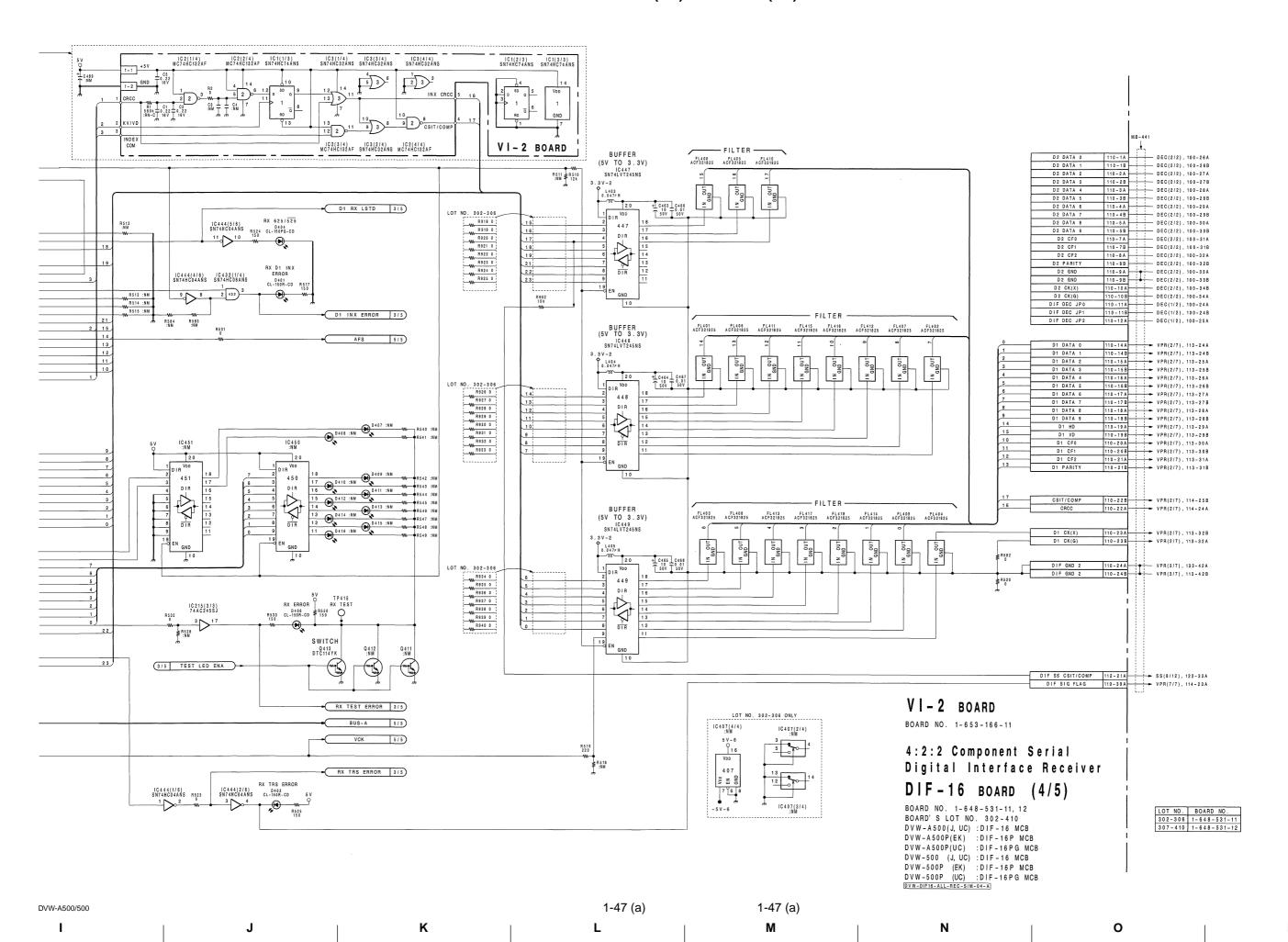
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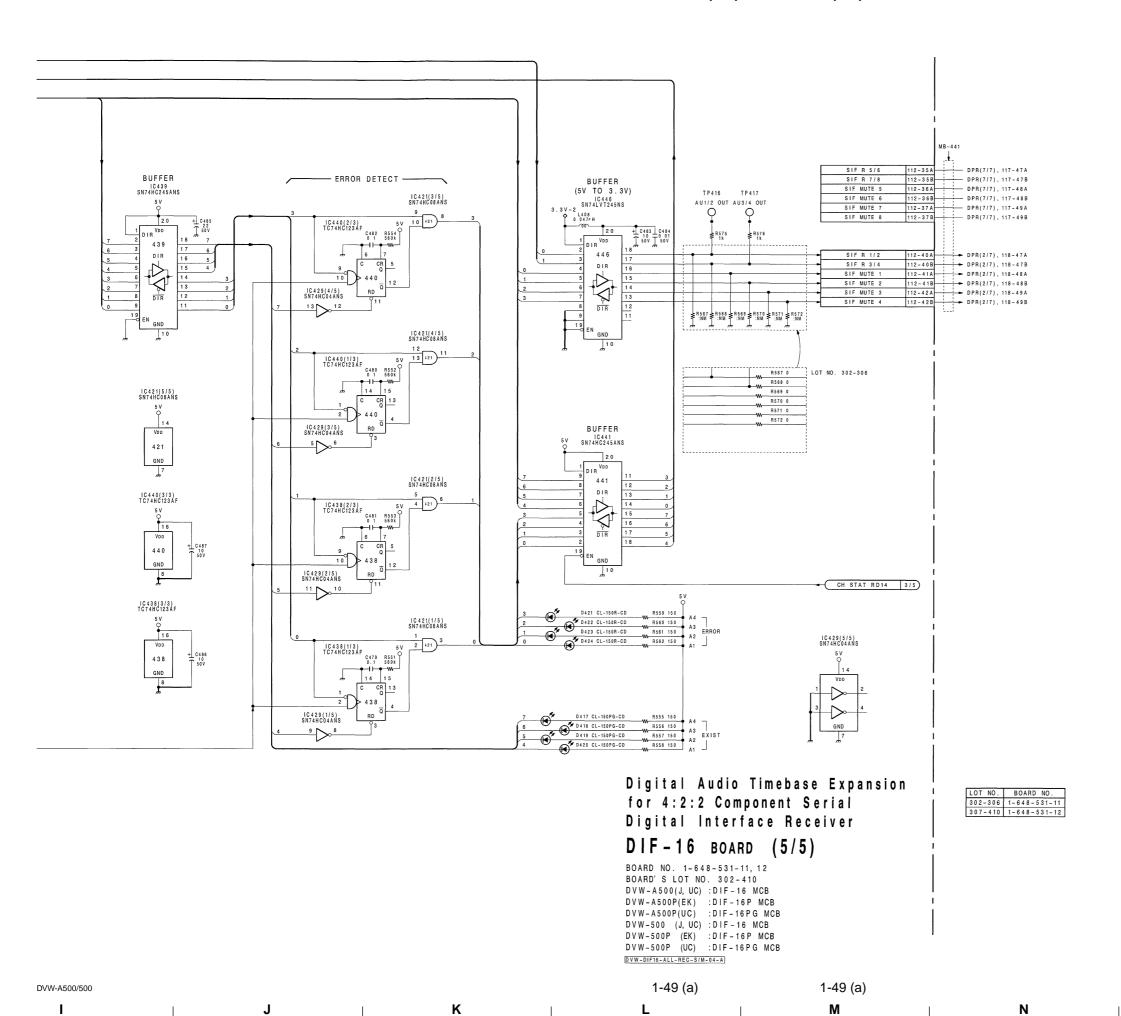
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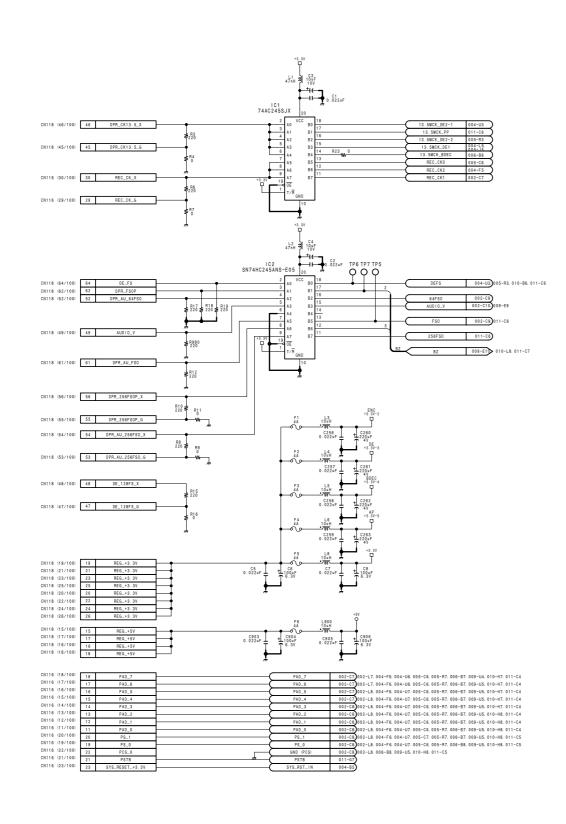
3/5 SIF DATA 0-7 DIGITAL AUDIO TIME BASE EXPANSION FOR SDI RECEIVER 1C442 74ACT157SJ IC433 CXD8280Q 16 46 60 76 106 120 Voo 1/5 SIF T 1/2 1/5 SIF T 3/4 442 3/5 IN AU CHK UDPER 88 TP407 :NM UA TP408 :NM DC DCERR DCPER TP409 :NM DCP TP410 :NM DBN TP411 :NM DBNP DBNERR — BCK CONTROL — DBNPER DIDERR TP412 :NM DID IC436 SN74HC4078BNS MC74HC4078F IC610(3/4) SN74HC08ANS IC610(4/4) SN74HC08ANS DIDPER TP413 :NM DIDP 12 13 610 11 DLY4 DLY3 DLY2 DLYO 433 CRD7 CRD6 CRD5 3/5 AUX DATA RD14 QFP 120P CRD4 CRD3 CRD2 3/5 AUX ADRS WR14 TP404 Q IC121(2/2) SN74HC21ANS CRDO 1/5 AU FSO TP405 F641 EXT3 5 432 6 AU 64FSO EXT1 ERR4 R529 R530 R585 R587 :NM R529 R530 R585 R587 ERR3 — POWER ON RESET —— 4/5 BUS-A AUX9 AUX8 AUX6 IC432(4/4) SN74HC08ANS AUX5 AUX4 9 432 8 AUX3 AUX2 C3/4 33 C1/2 34 U3/4 35 U1/2 36 V3/4 37 V1/2 92 112 D2/D1 R536 120k RST LOT NO. 302-306 IC610(2/4) SN74HC08ANS 1SS304 PIN LAYOUT R536 120k 2 1 ALL RESISTORS ARE 1/10 W UNLESS OTHERWISE NOTED. ALL CAPACITORS ARE 25V UNLESS OTHERWISE NOTED.

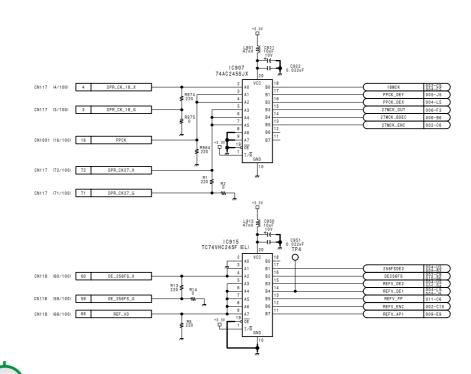


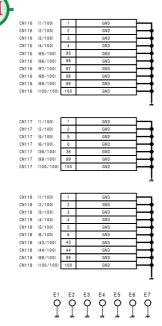
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J







Digital Process System Control DPR-36 BOARD (1/11)

BOARD NO. 1-648-533-14 BOARD'S LOT NO. 812-DVW-A500 (J, UC) : DPR-36 MCB DVW-A500P (EK) : DPR-36 MCB DVW-A500P (UC) : DPR-36 MCB DVW-500 (J, UC) : DPR-36 MCB DVW-500P (EK) : DPR-36 MCB DVW-500P (UC) : DPR-36 MCB DVW-A500_DPR-36_001_1

1-50 (d) 1-50 (d) DVW-A500/500

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В

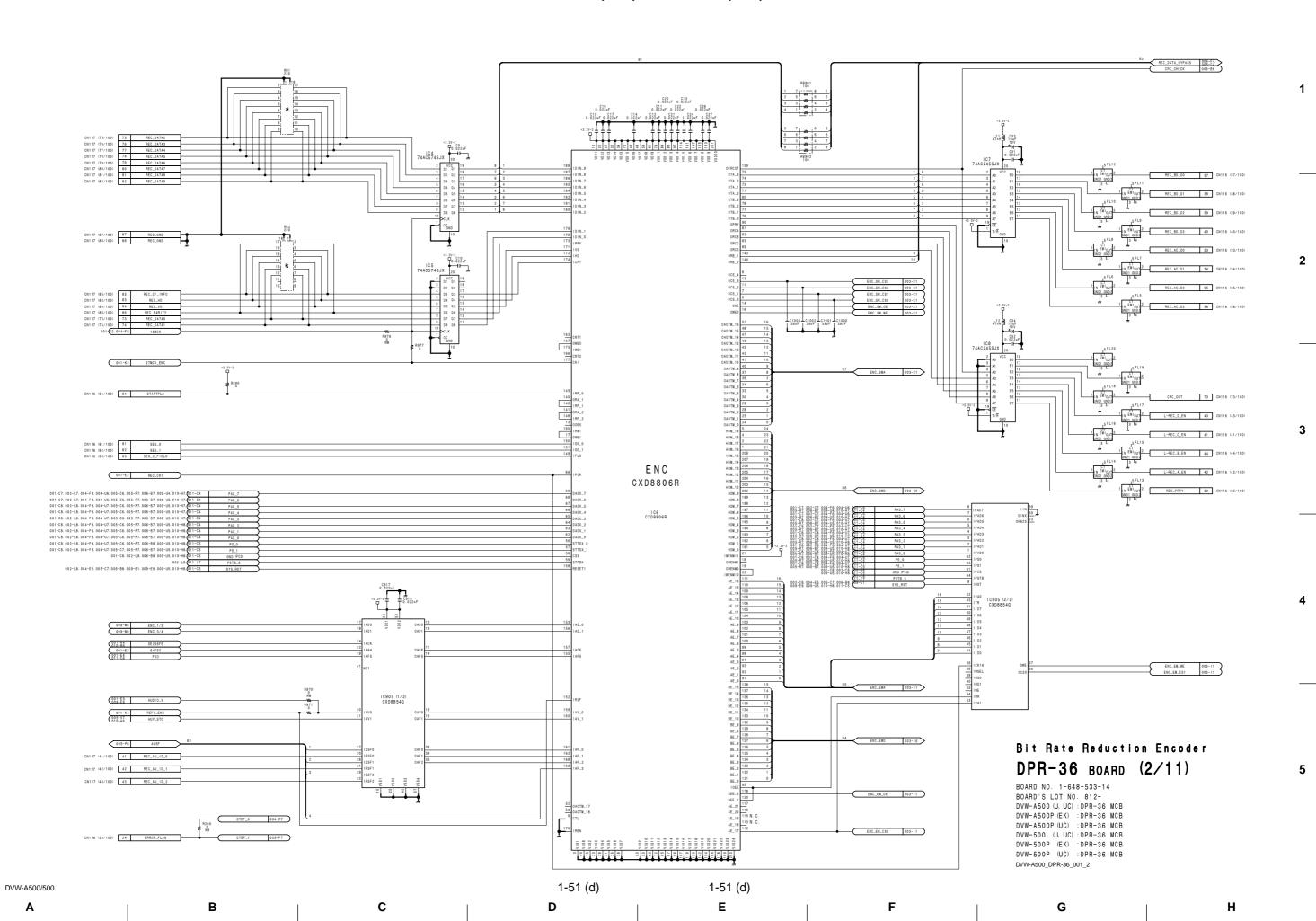
С

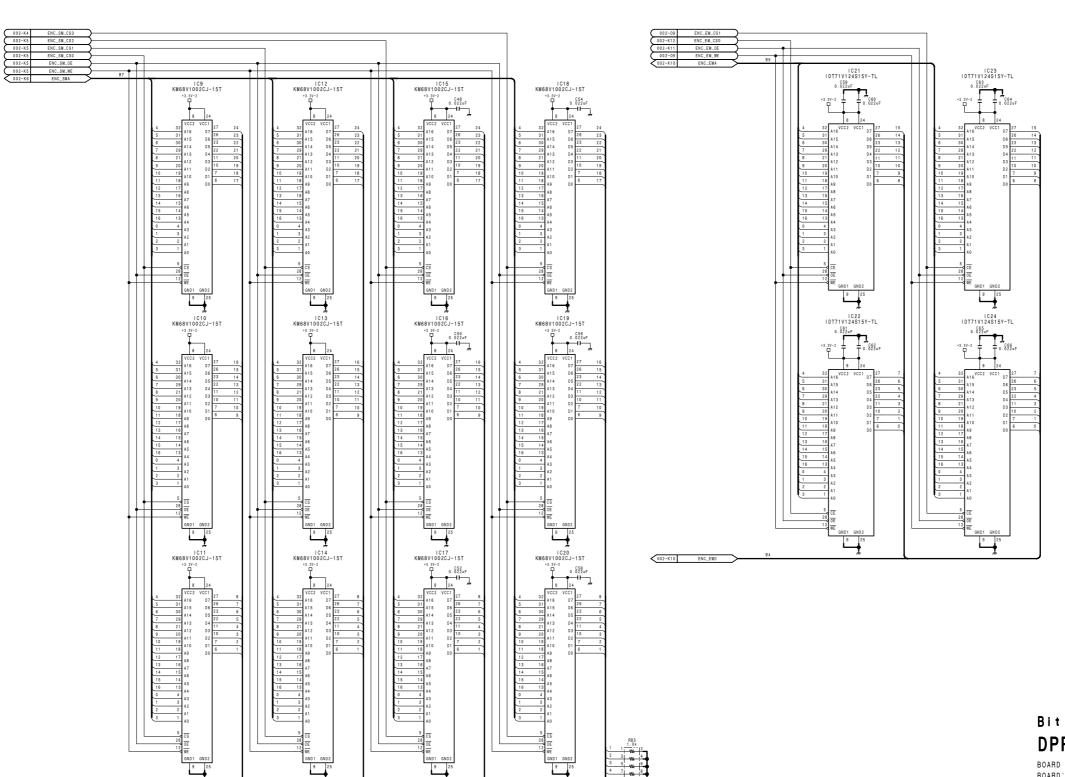
D

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F

G





Bit Rate Reduction Encoder Memory DPR-36 BOARD (3/11)

BOARD NO. 1-648-533-14
BOARD'S LOT NO. 812DVW-A500 (J. UC): DPR-36 MCB
DVW-A500P (EK): DPR-36 MCB
DVW-A500P (EK): DPR-36 MCB
DVW-500 (J. UC): DPR-36 MCB
DVW-500P (EK): DPR-36 MCB
DVW-500P (UC): DPR-36 MCB
DVW-500P (UC): DPR-36 MCB
DVW-500P (UC): DPR-36 MCB

G

F

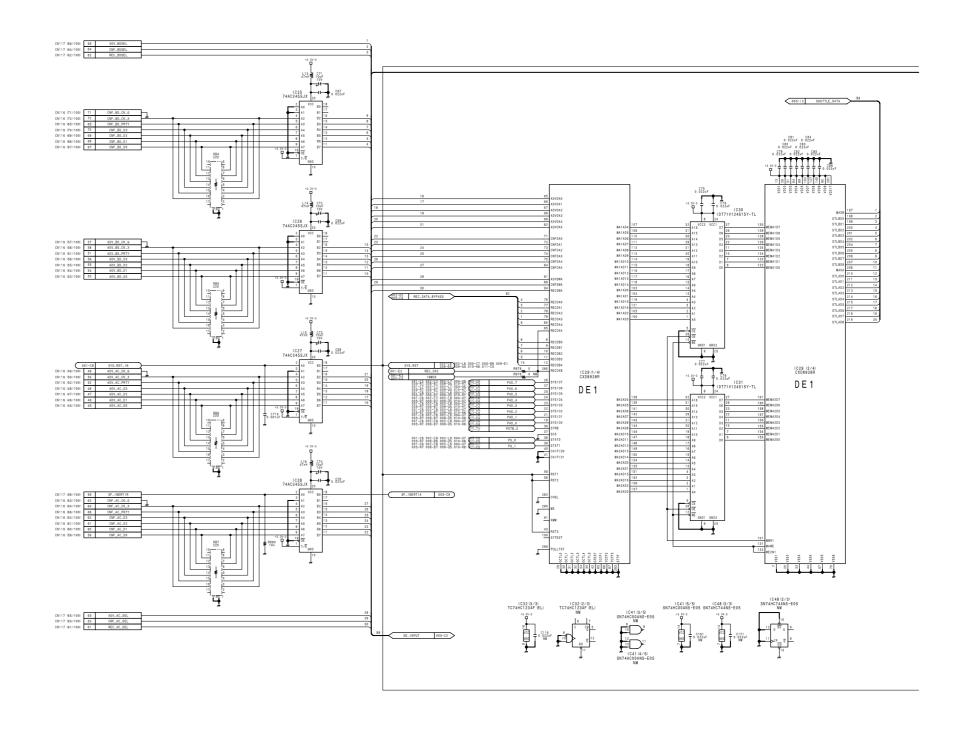
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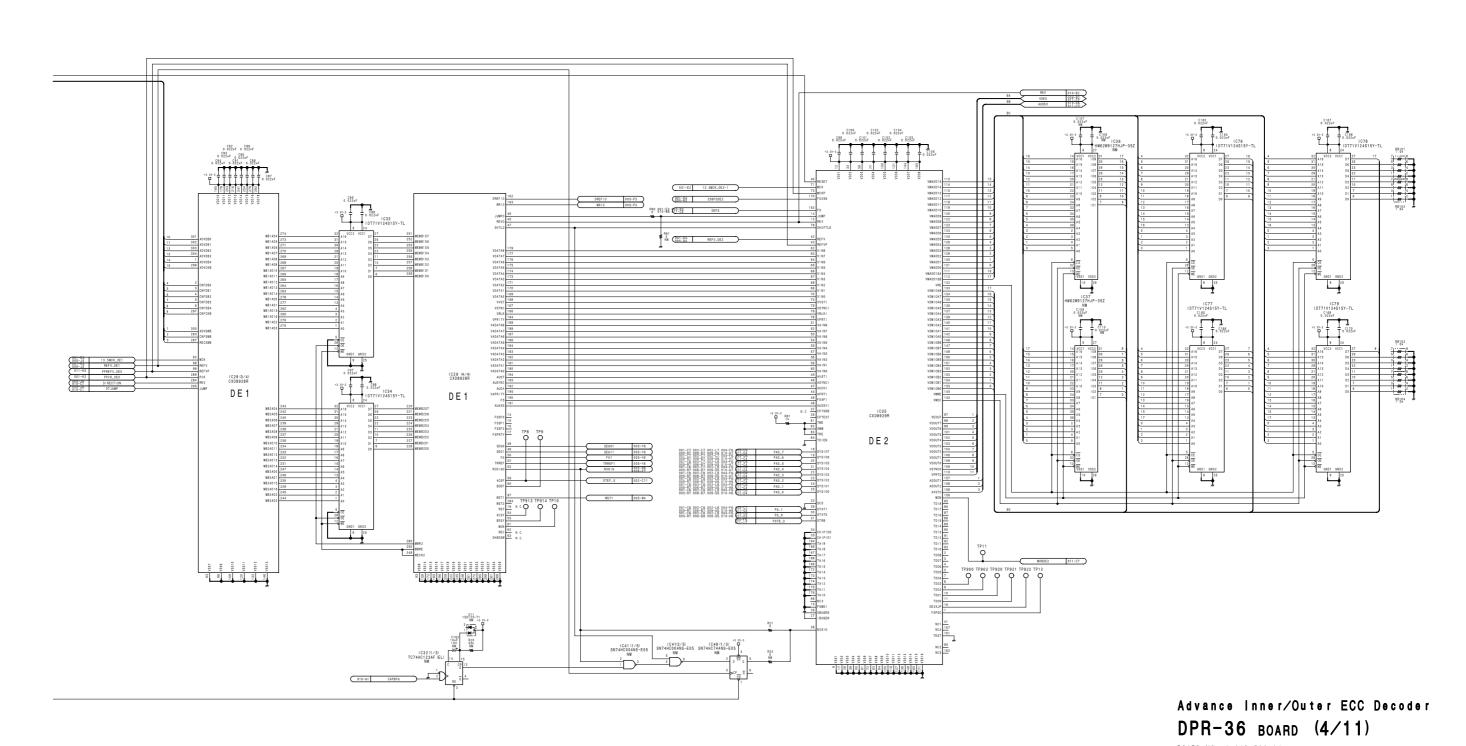
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В



1-54 (d) 1-54 (d) DVW-A500/500 **E** | **F** | **G** | **H**



1

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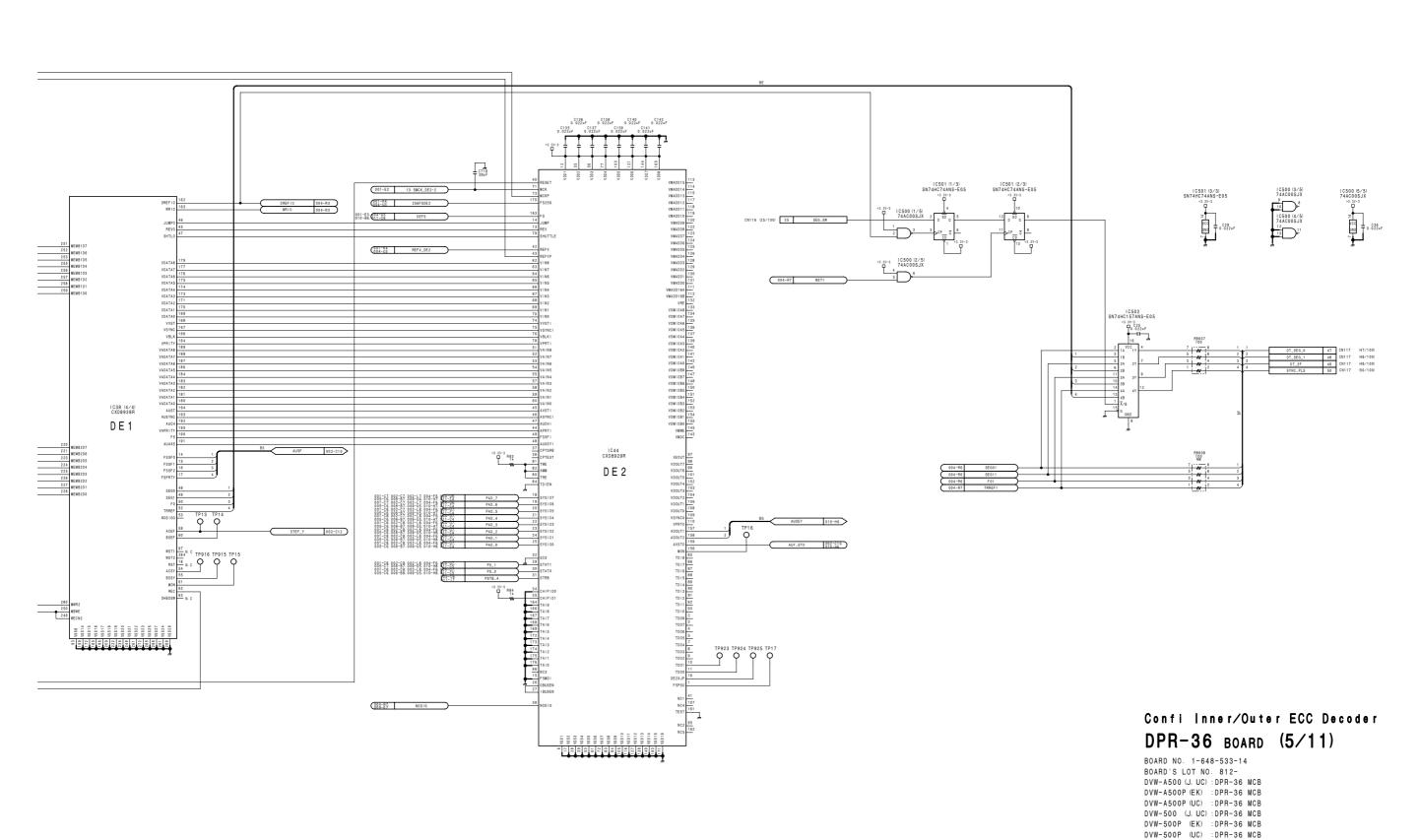
BOARD NO. 1-648-533-14
BOARD'S LOT NO. 812DVW-A500 (J, UC): DPR-36 MCB
DVW-A500P (EK): DPR-36 MCB
DVW-A500P (UC): DPR-36 MCB
DVW-500 (J, UC): DPR-36 MCB
DVW-500P (EK): DPR-36 MCB
DVW-500P (UC): DPR-36 MCB
DVW-500P (UC): DPR-36 MCB

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CXD8928R DE1 DE1 DE1 002-C8. 002-L8. 004-E5. 006-B8. 009-E9. 009-U5. 010-H8. 011-C5

1-56 (d) 1-56 (d) DVW-A500/500 B G H



1-57 (d) 1-57 (d)

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DVW-A500_DPR-36_001_5

DVW-A500/500

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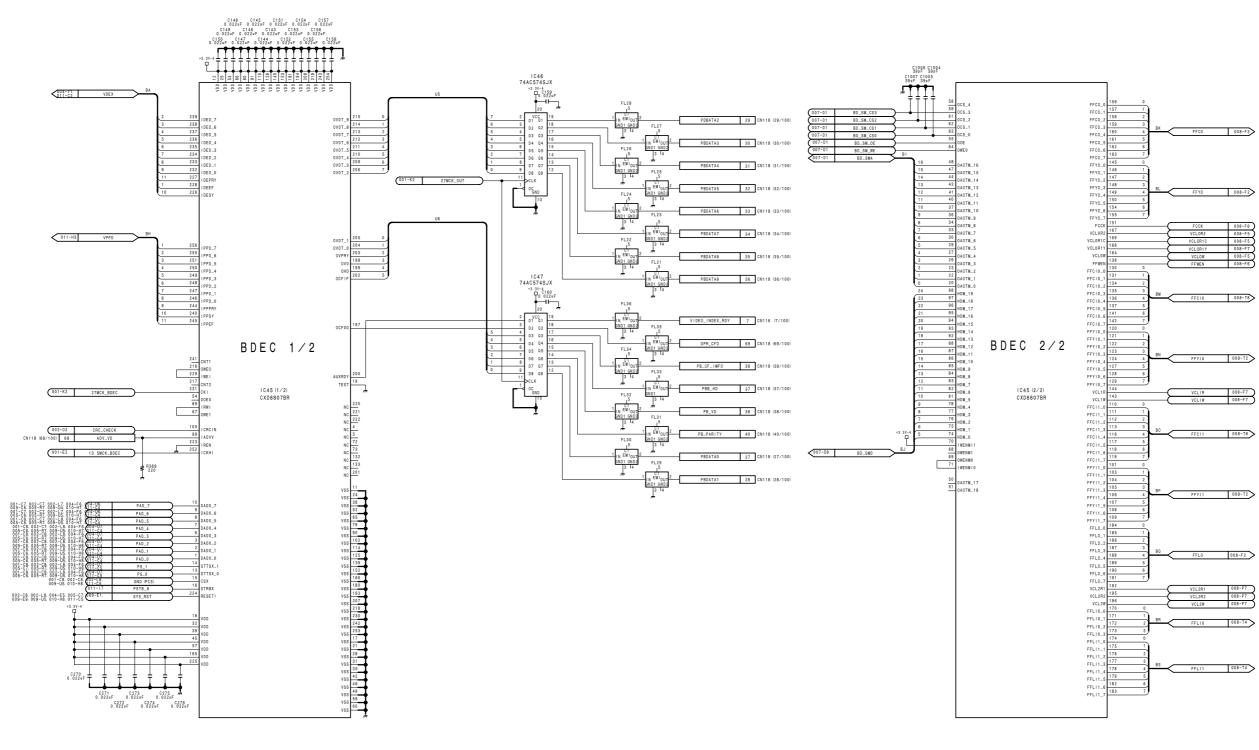
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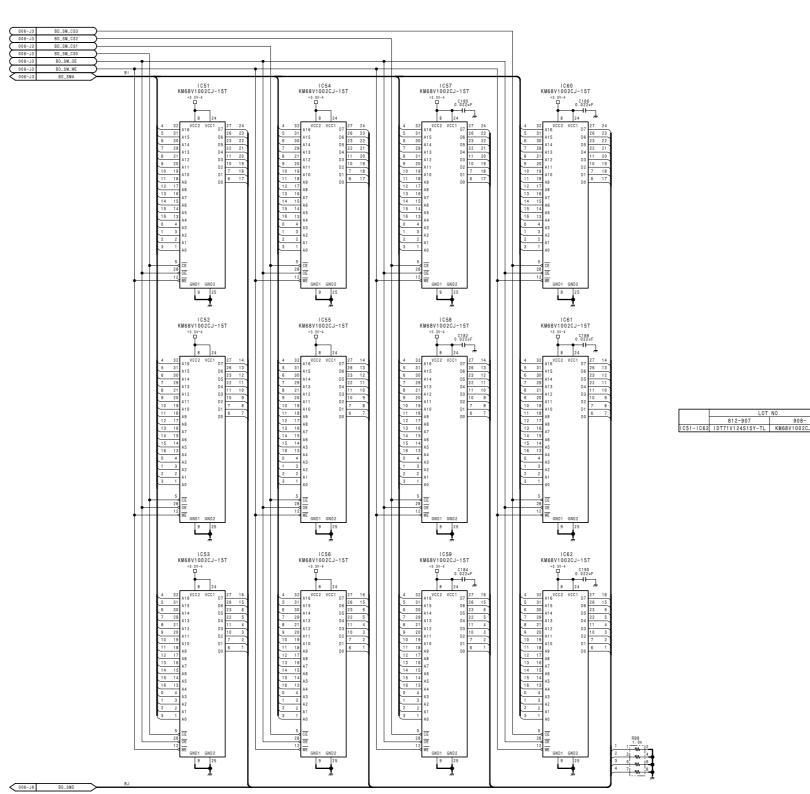
5



Bit Rate Reduction Decoder & Concealment Circuit DPR-36 BOARD (6/11)

BOARD NO. 1-648-533-14
BOARD 'S LOT NO. 812DVW-A500 (J, UC): DPR-36 MCB
DVW-A500P (EK): DPR-36 MCB
DVW-500P (UC): DPR-36 MCB

1-58 (d) 1-58 (d) DVW-A500/500 F G H



DE-Shuffling Memory DPR-36 BOARD (7/11)

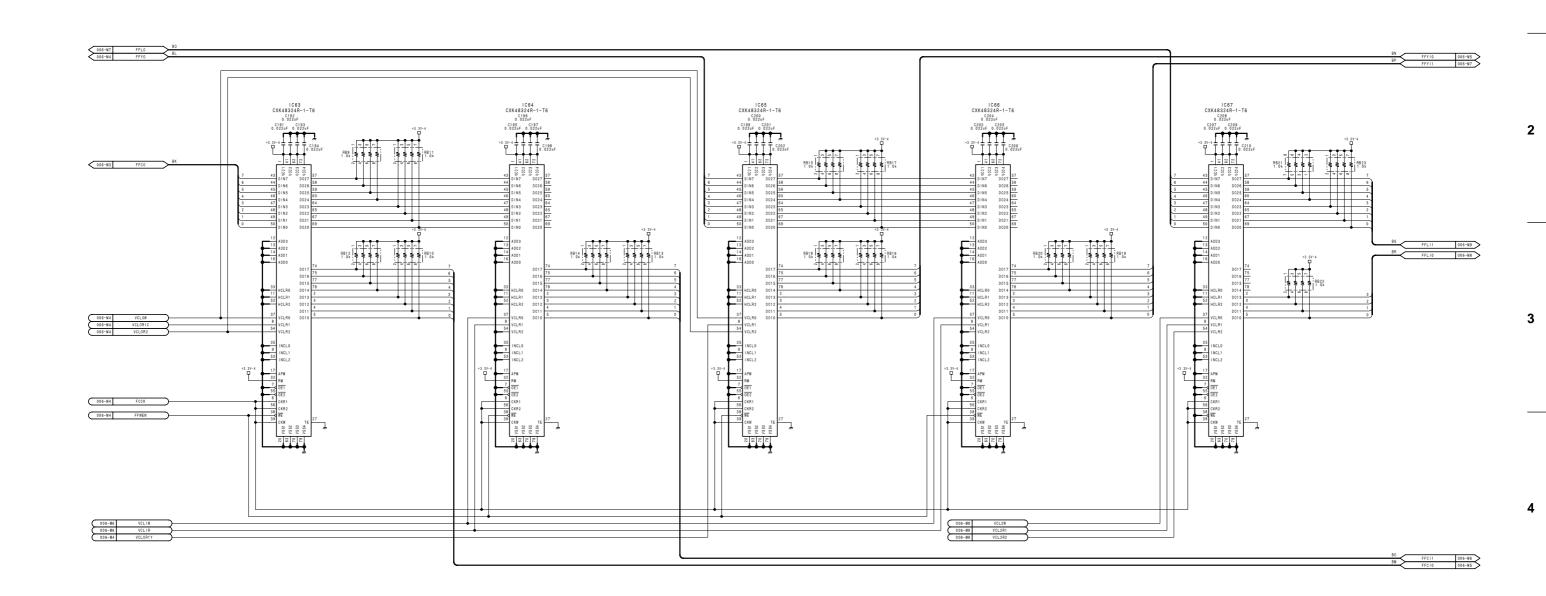
Н

BOARD NO. 1-648-533-14
BOARD'S LOT NO. 812DVW-A500 (J, UC) : DPR-36 MCB
DVW-A500P (EK) : DPR-36 MCB
DVW-A500P (UC) : DPR-36 MCB
DVW-500P (EK) : DPR-36 MCB
DVW-500P (EK) : DPR-36 MCB
DVW-500P (UC) : DPR-36 MCB DVW-A500_DPR-36_001_7

1-59 (d) 1-59 (d) DVW-A500/500 Α

Ε В С D F G



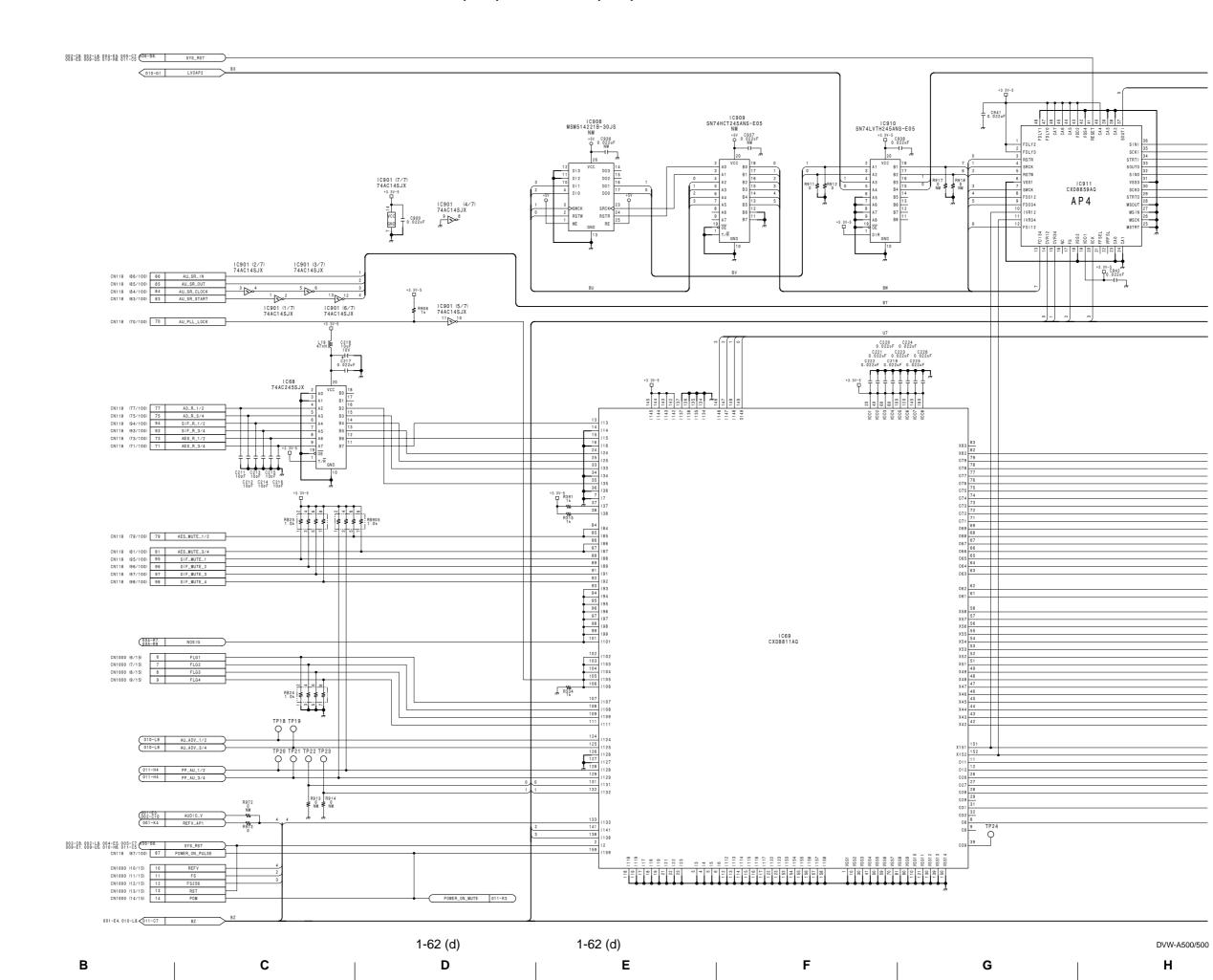


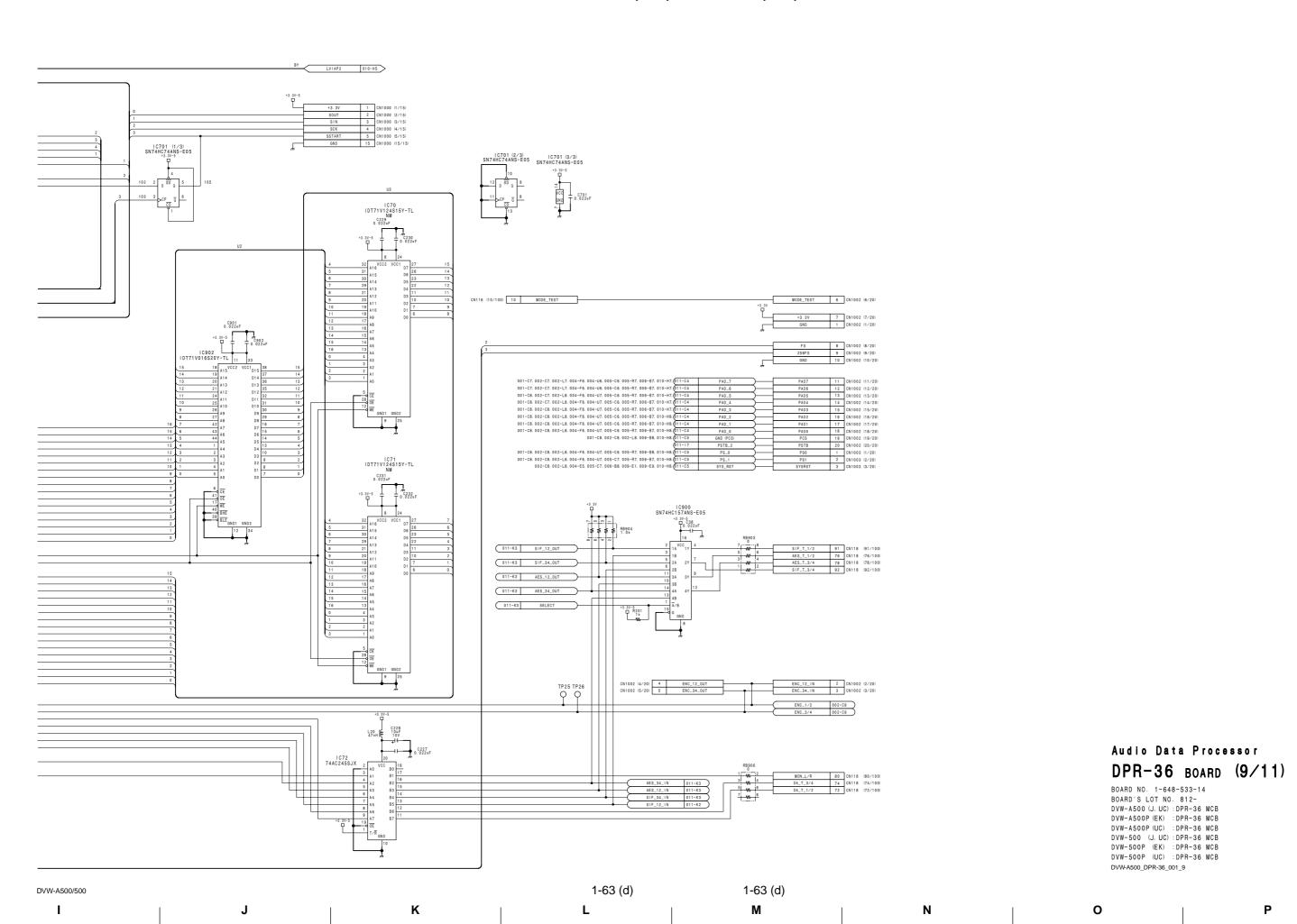
Concealment FIFO Memory DPR-36 BOARD (8/11)

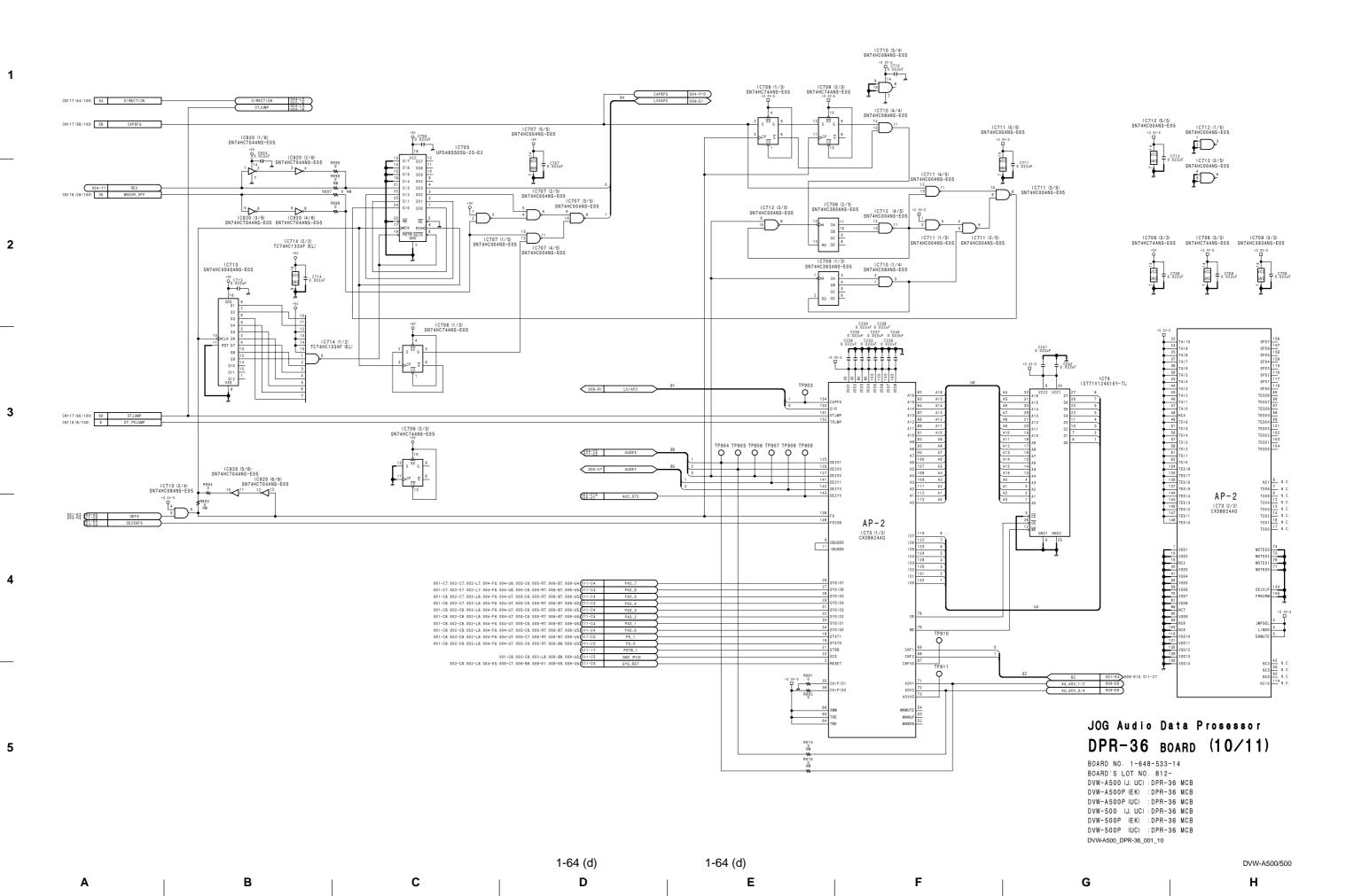
BOARD NO. 1-648-533-14
BOARD'S LOT NO. 812DVW-A500 (J, UC): DPR-36 MCB
DVW-A500P (EK): DPR-36 MCB
DVW-500P (UC): DPR-36 MCB
DVW-500P (EK): DPR-36 MCB
DVW-500P (EK): DPR-36 MCB
DVW-500P (UC): DPR-36 MCB

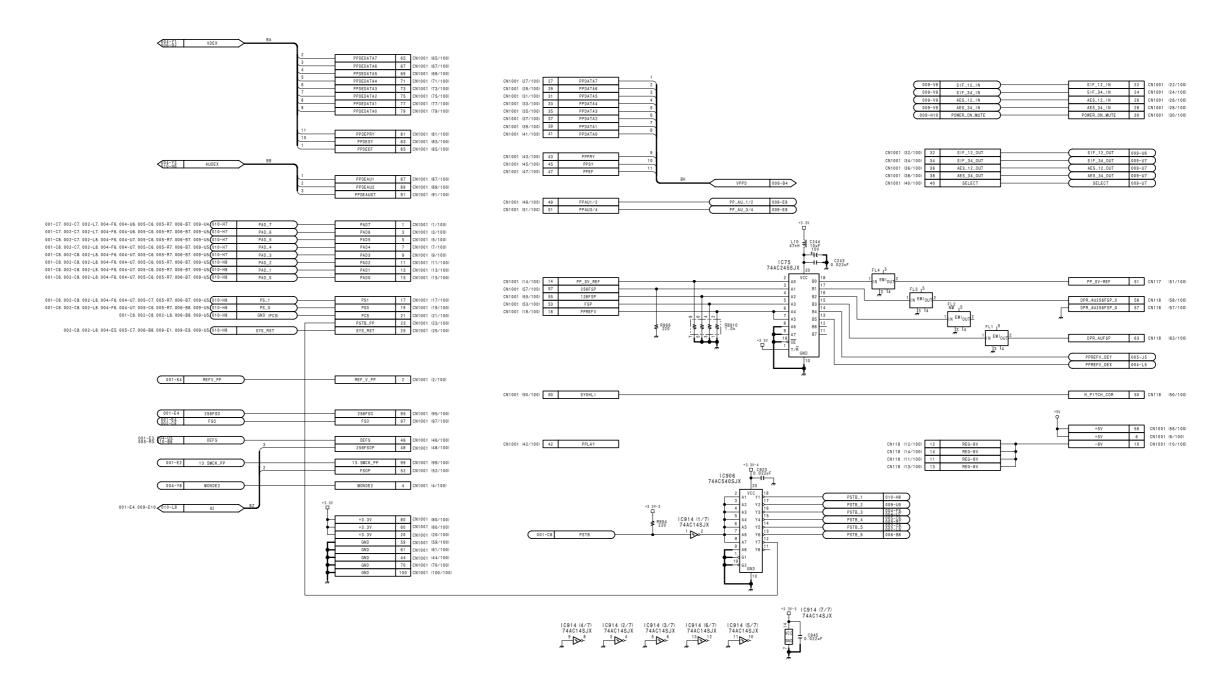
DVW-A500/500

A | B | C | D | E | F | G | H



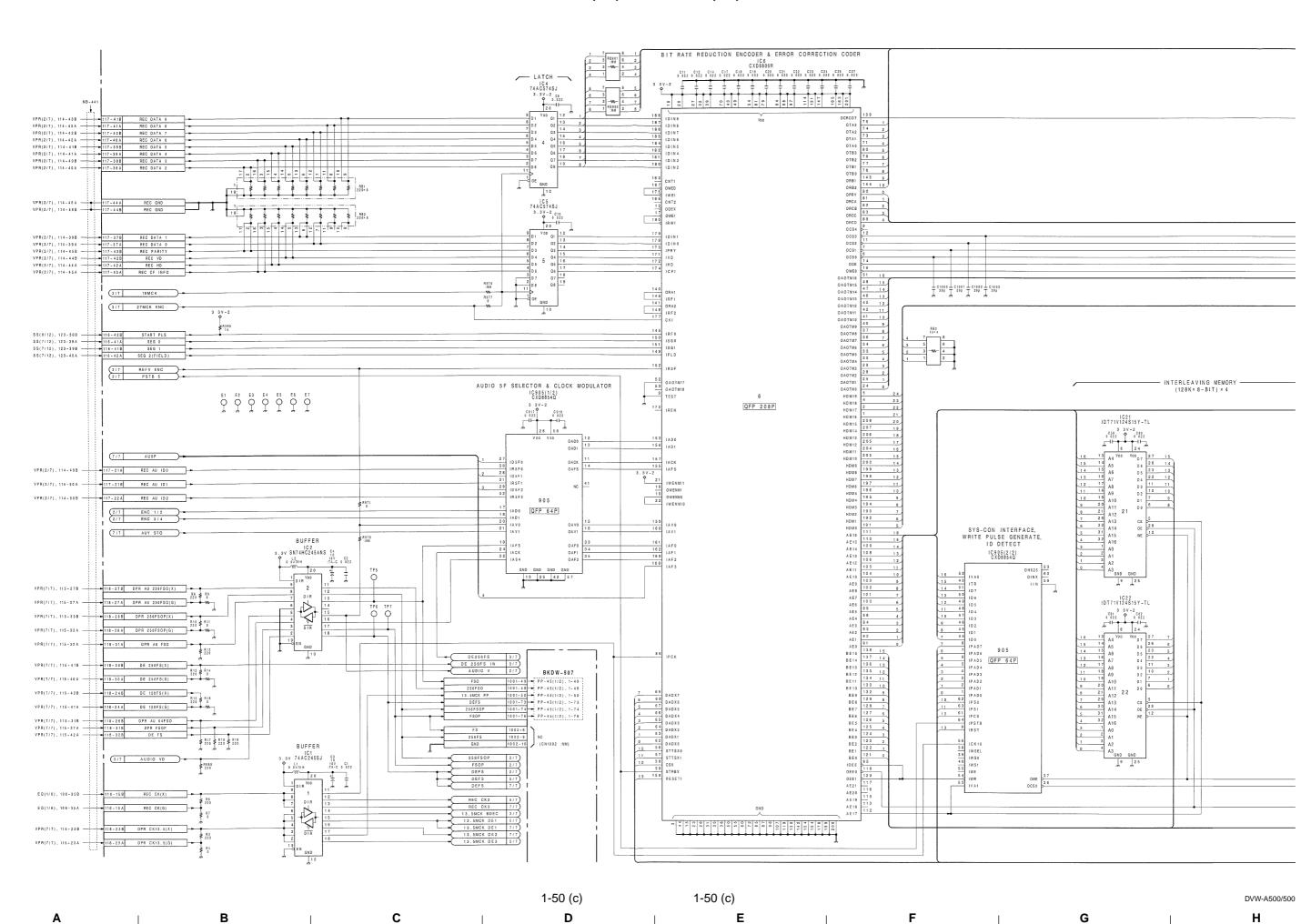


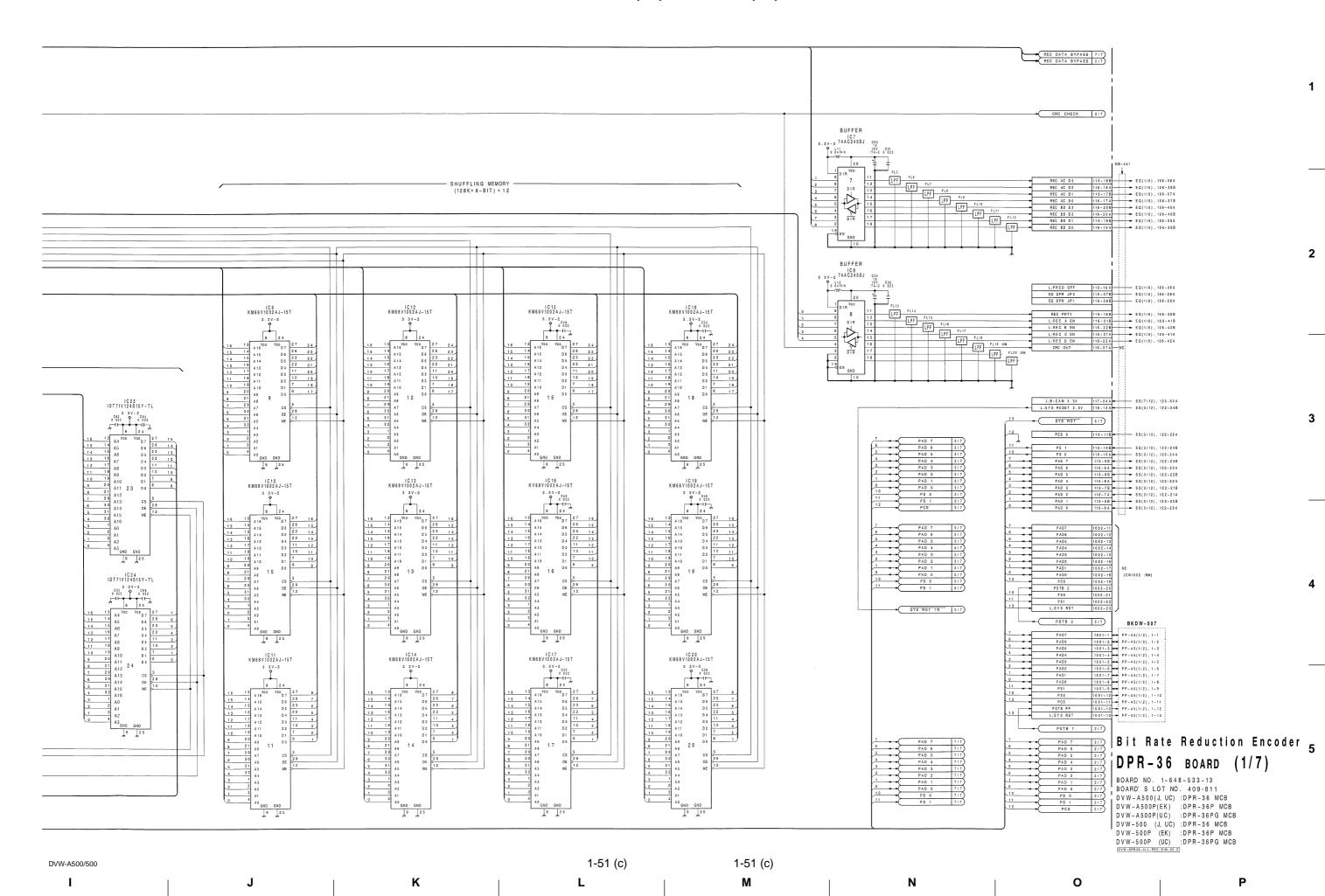


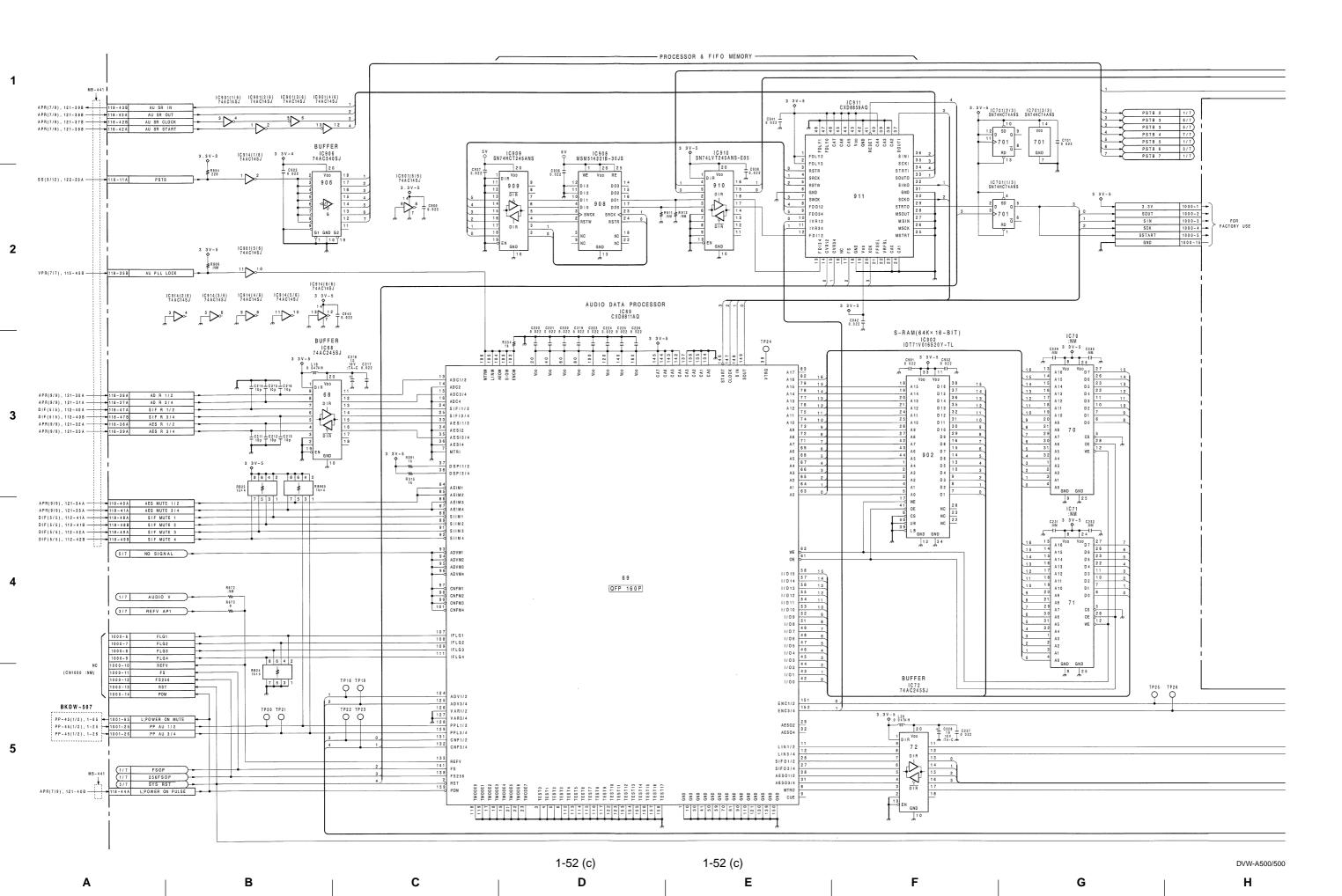


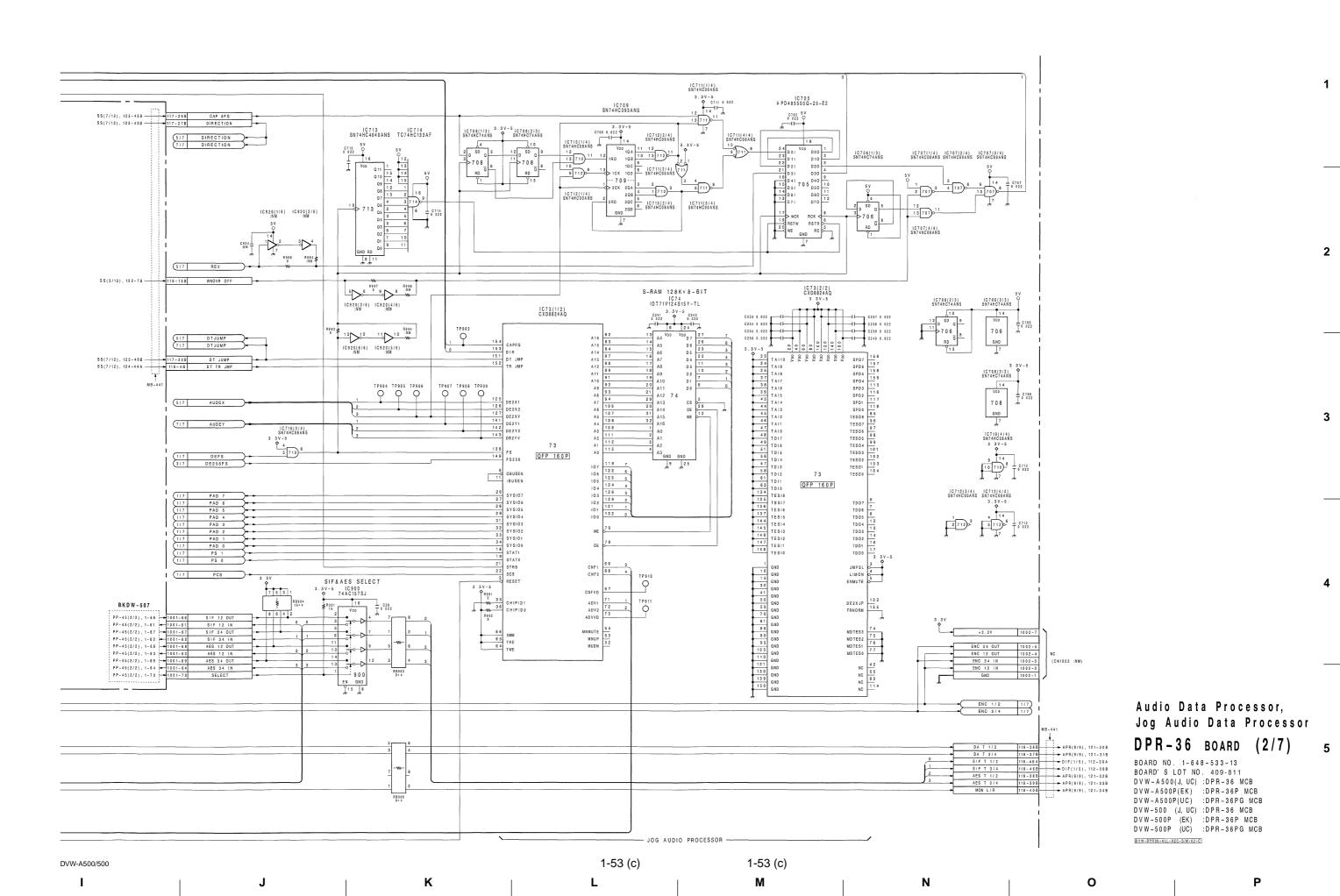
Program Play Board Interface DPR-36 BOARD (11/11)

BOARD NO. 1-648-533-14
BOARD'S LOT NO. 812DVW-A500 (J, UC): DPR-36 MCB
DVW-A500P (EK): DPR-36 MCB
DVW-A500P (UC): DPR-36 MCB
DVW-500 (J, UC): DPR-36 MCB
DVW-500P (EK): DPR-36 MCB
DVW-500P (EK): DPR-36 MCB
DVW-500P (UC): DPR-36 MCB
DVW-500P (UC): DPR-36 MCB





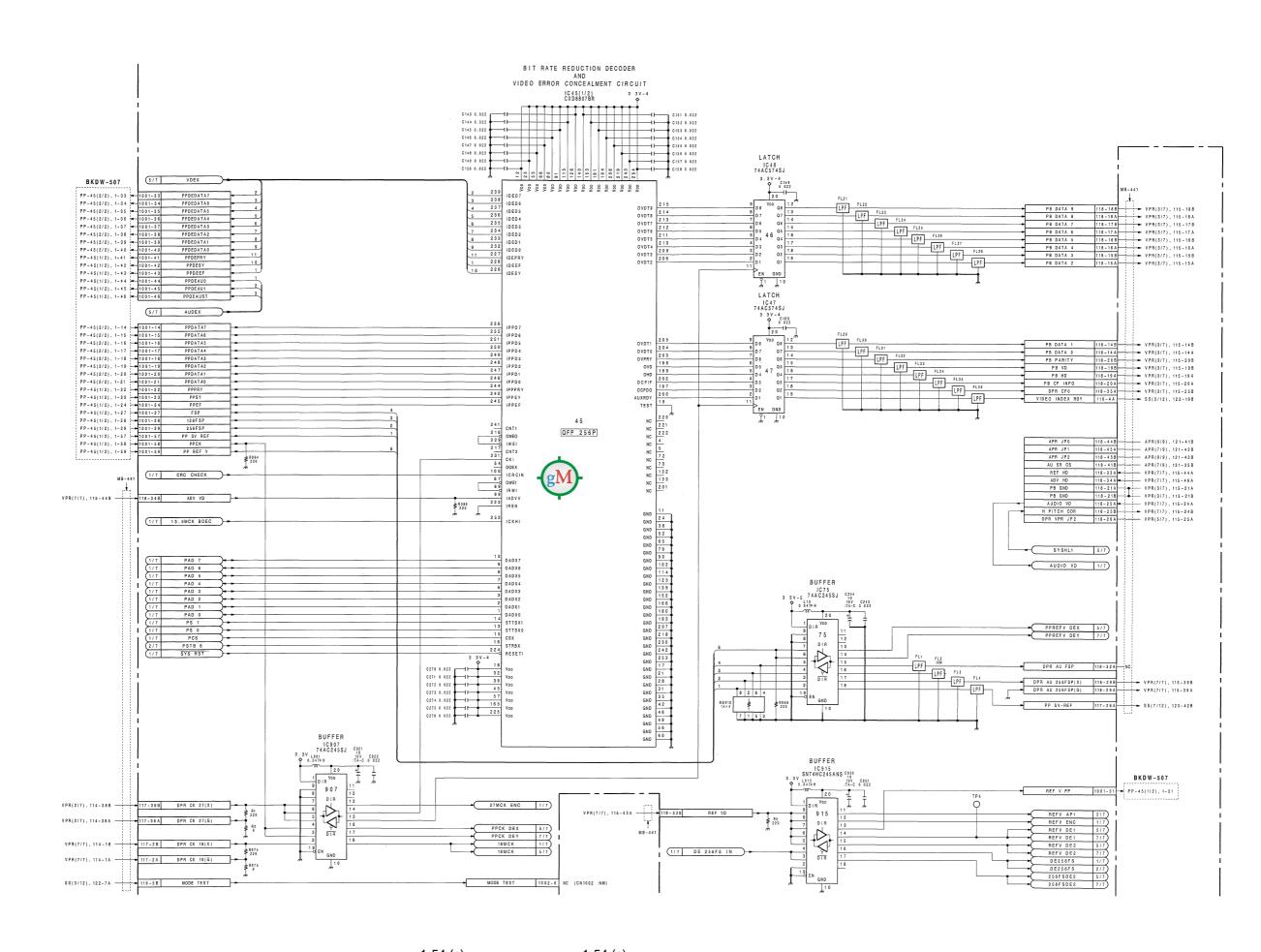




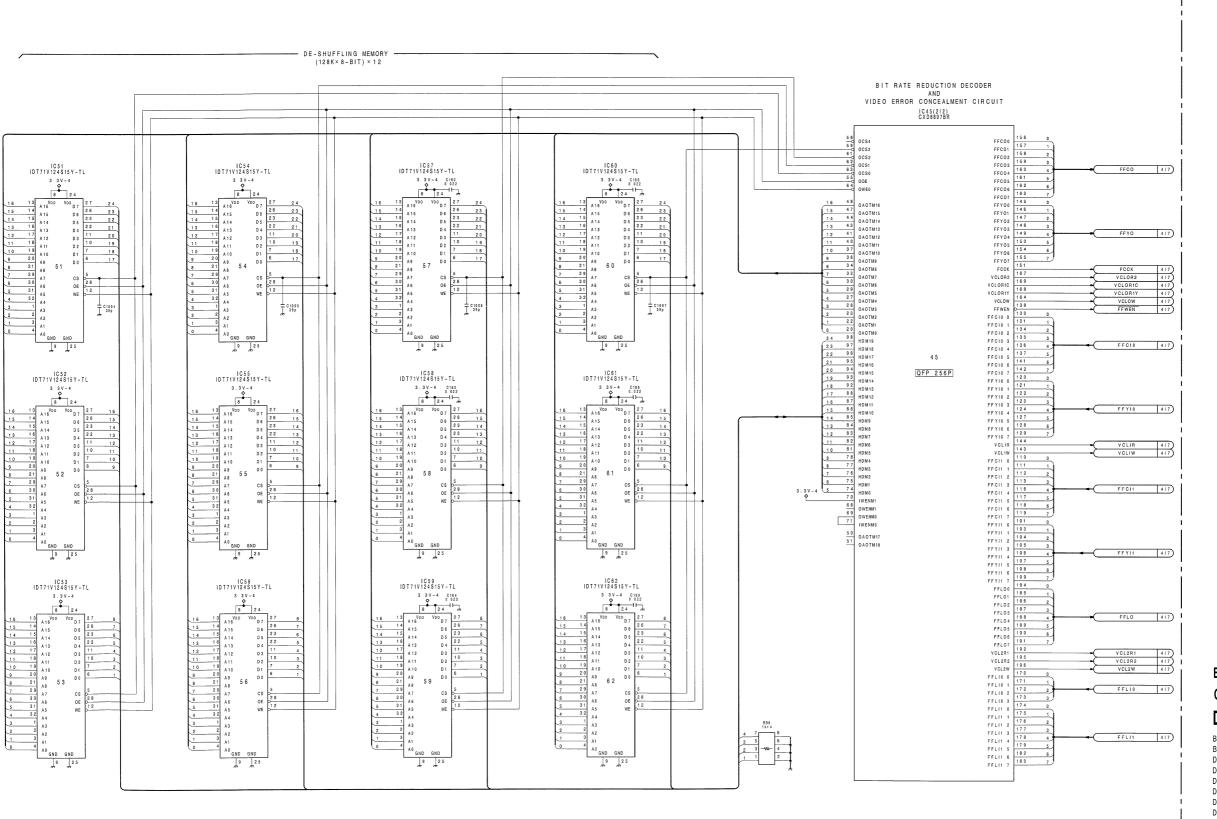
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1-54 (c) 1-54 (c) 1-54 (c) DW-A500/500 F G H



BIT Rate Reduction Decoder,
Concealment Circuit

DPR-36 BOARD (3/7)

BOARD NO. 1-648-533-13
BOARD'S LOT NO. 409-811
DVW-A500(J, UC):DPR-36 MCB
DVW-A500P(EK):DPR-36P MCB
DVW-A500P(UC):DPR-36PG MCB
DVW-500 (J, UC):DPR-36 MCB
DVW-500P (EK):DPR-36P MCB
DVW-500P (EK):DPR-36P MCB

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— CONCEALMENT FIFO MEMORY(2.4M-BIT×5) — FCCK VCLOR2 VCLOW RB15 3.3V-4 RB17 11x4 1 1 3 5 7 3 . 3 V - 4 T T T T C199 C200 C201 C202 0 022 0.022 0 022 0 022 1 41 62 72 1 41 62 72 D027 D026 D025 59 4 4 DIN 6 4 5 DIN 5 6 44 DIN 6
5 45 DIN 5
4 46 DIN 8
3 47 DIN 9
2 48 DIN 2
1 49 DIN 1
0 50 DIN 1 DO26 DO25 DO26 DIN 6 D025 DIN 5 D025 D024 D023 D022 D021 D020 69 D024 47 DIN3 48 DIN2 49 DIN1 50 DIN0 DIN 3 D023 DO23 D022 DIN 2 D022 DINO DO20 3 9 CKW
6 CKR1
5 6 CKR2
VCLR2
VCLR2
VCLR1
VCLR0 3 9 6 CKW 5 6 CKR1 CKR1 D O 16 D 0 1 6 D O 16 D O 15 CKR2 D O 15 D 015 VCLR2 8 VCLR1 37 VCLR0 3/7 VCLOR1C VCLR1 D O 13 D 0 1 3 D O 13 37 VCLR1
38 38 3V-4
32 RM
27 TE APM
11 HCLR1
52 HCLR2
7 OE2
1NC0
16 AD0
11 AD1
11 AD2
AD3 D 0 12 VCLR0 D O 12 VCLRO D 0 1 2 8 6 4 D 0 1 0 D O 10 8 6 4 2 8 6 4 2 3 2 RM 2 7 TE TE APM HCLR0 11 HCLR1 5 2 HCLR2 7 OE1 5 5 OE2 3 5 INC 0 9 INC 1 INC 2 AD0 11 AD0 11 AD0 AD0 AD3 AD2 AD3 * * 3 . 3 V - 4 \$ ≱ ≰ 7 5 3 1 RB10 1k× 4 7 5 3 1 RB12 1k× 4 RB13 1k×4 RB16 1k× 4 RB14 1k× 4 RB18 1 k × 4 IC63 CXK48324R-1-T6 1 C 6 4 CXK48324R-1-T6 IC65 CXK48324R-1-T6 GND GND GND GND 3 7 9 GND GND GND GND 20 63 70 79 20 63 70 79 VCLIR VCL2R1 VCL2W

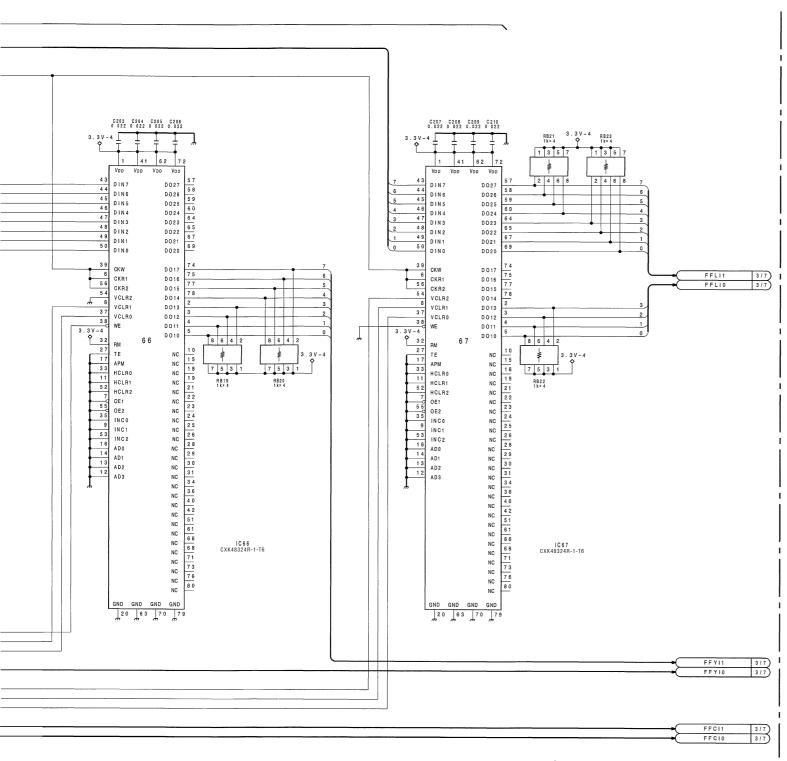
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1-56 (c) 1-56 (c) 1-56 (c) DVW-A500/500 F G H



Concealment FIFO Memory DPR-36 BOARD (4/7)

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BOARD NO. 1-648-533-13
BOARD' S LOT NO. 409-811
DVW-A500(J, UC) :DPR-36 MCB
DVW-A500P(EK) :DPR-36P MCB
DVW-A500P(UC) :DPR-36P MCB
DVW-500P (J, UC) :DPR-36 MCB
DVW-500P (EK) :DPR-36P MCB
DVW-500P (UC) :DPR-36P MCB

1-57 (c) 1-57 (c)

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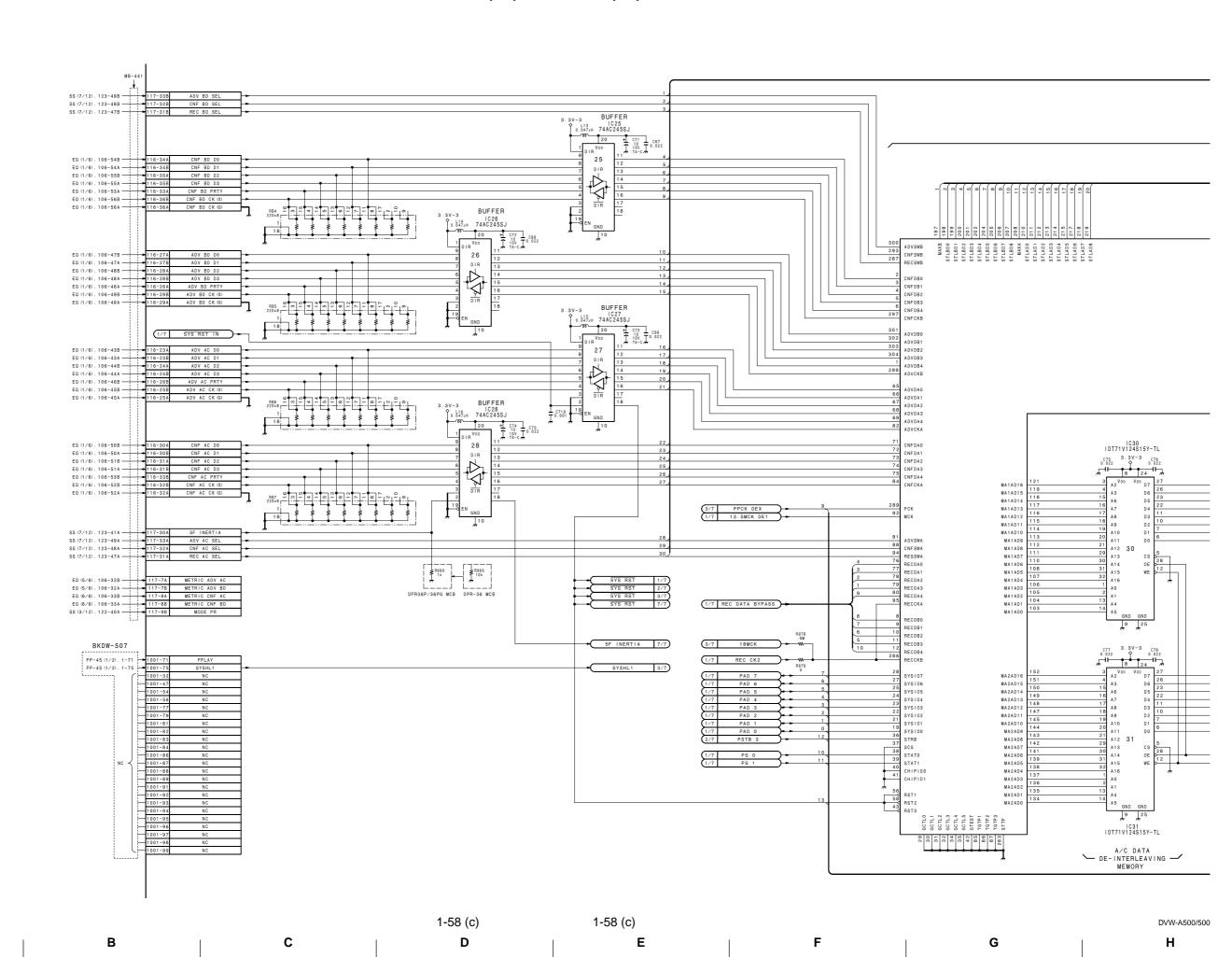
DVW-A500/500

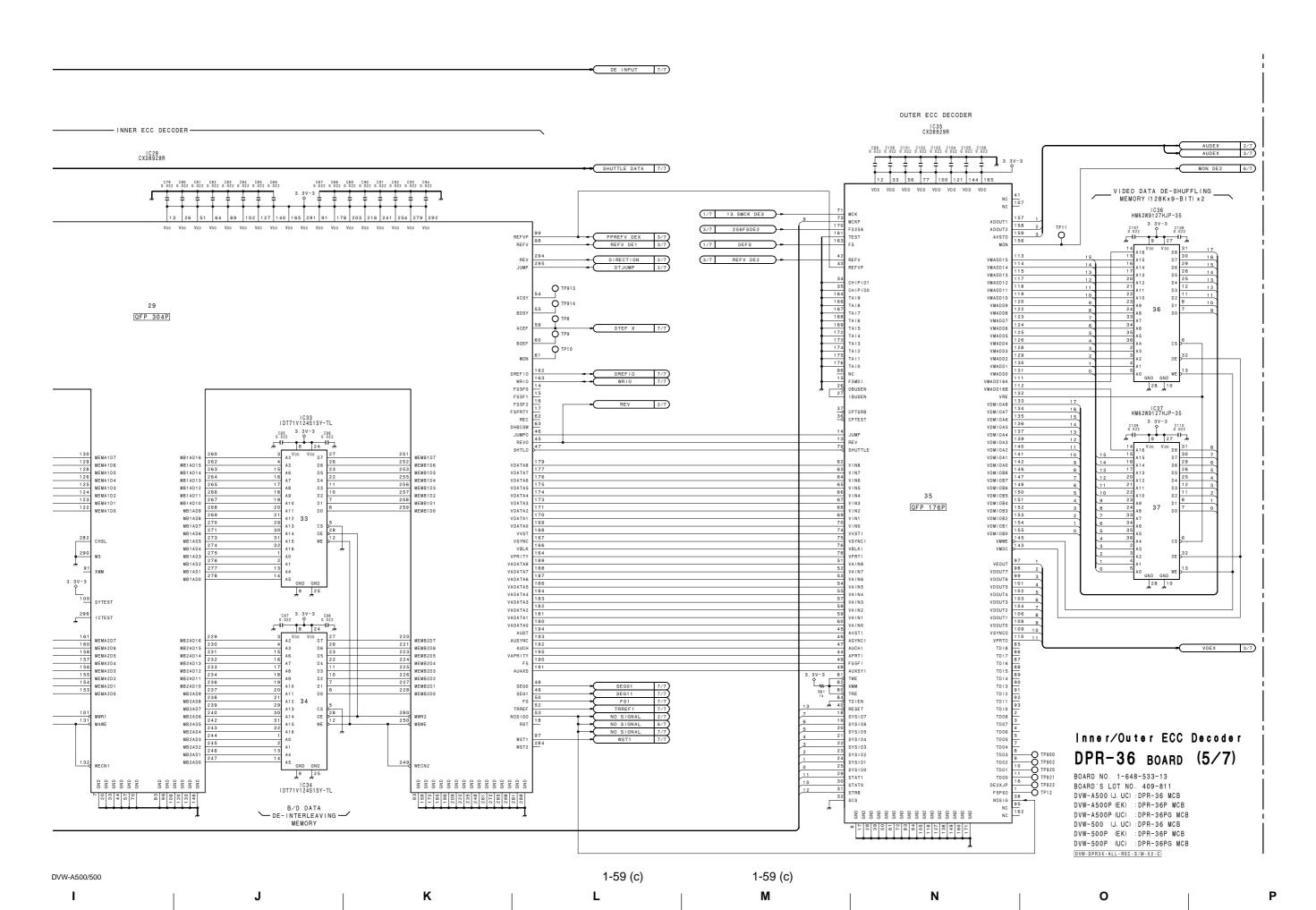
,

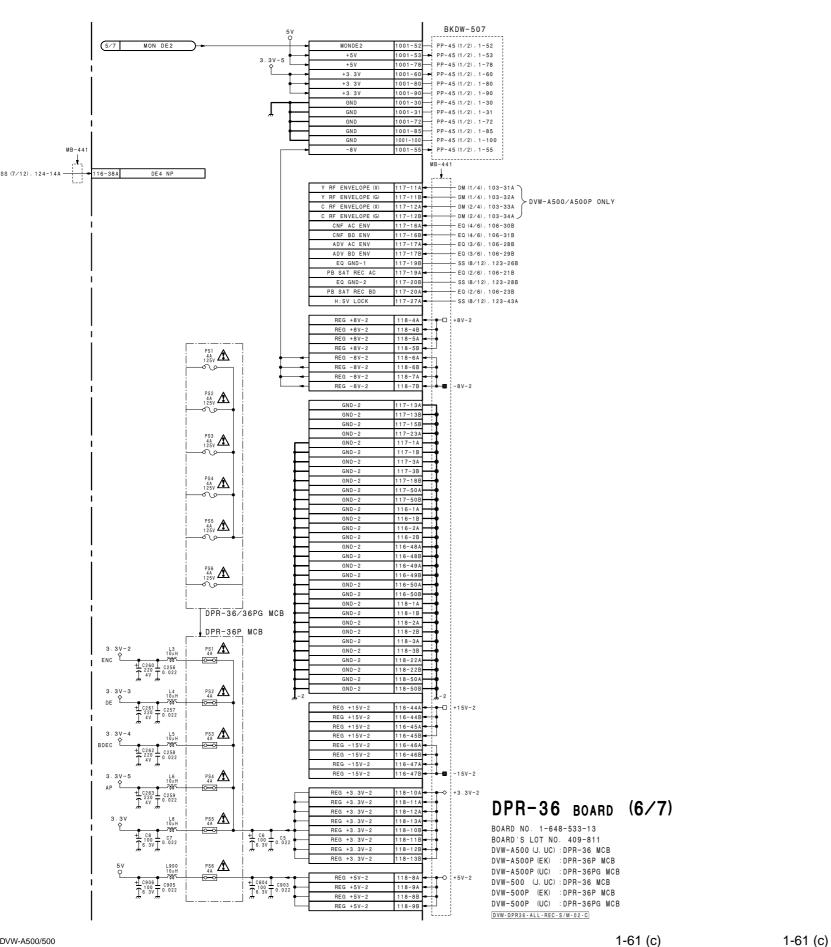
2

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P







Н

1-61 (c) DVW-A500/500

С

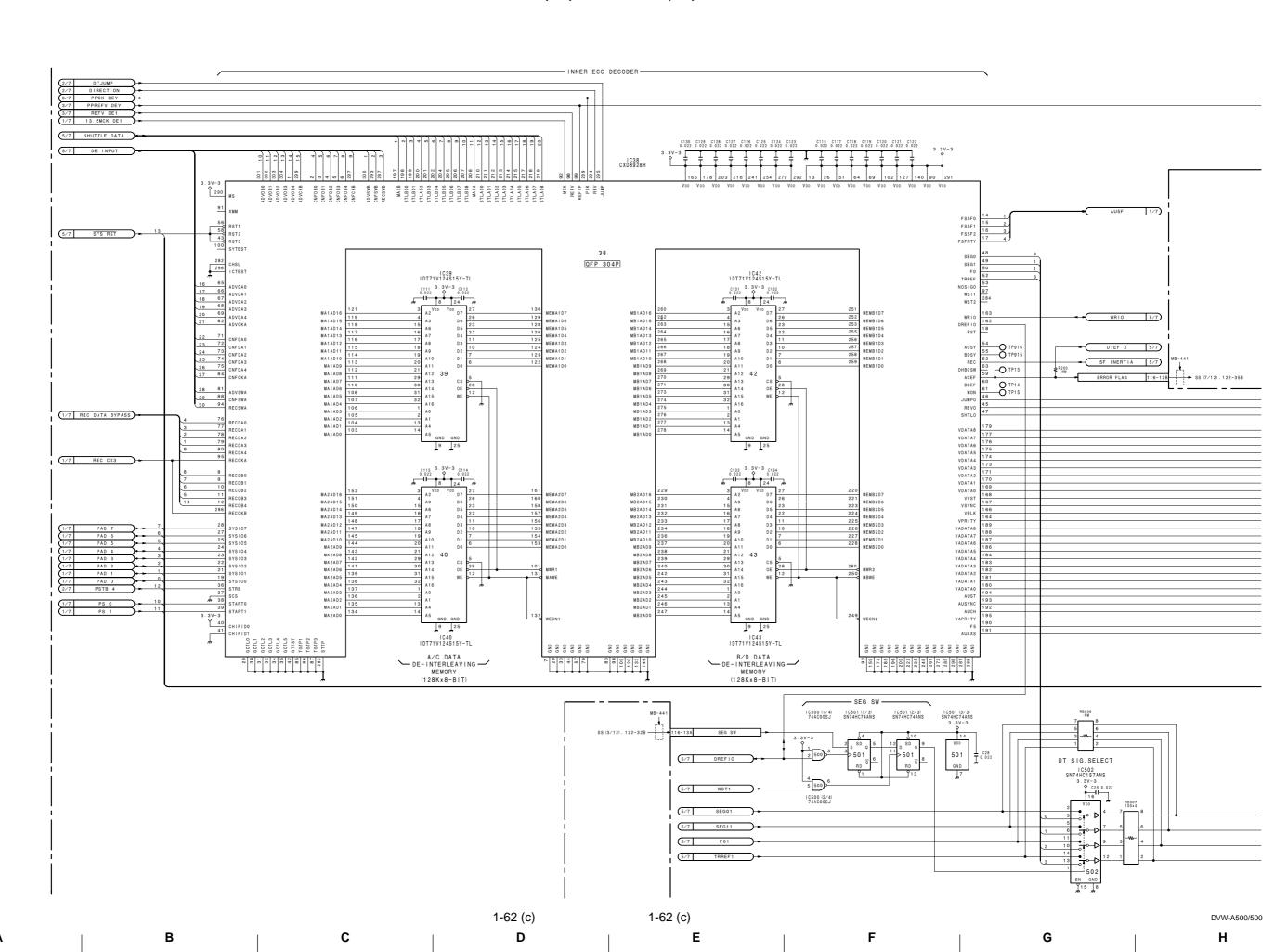
D

Ε

В

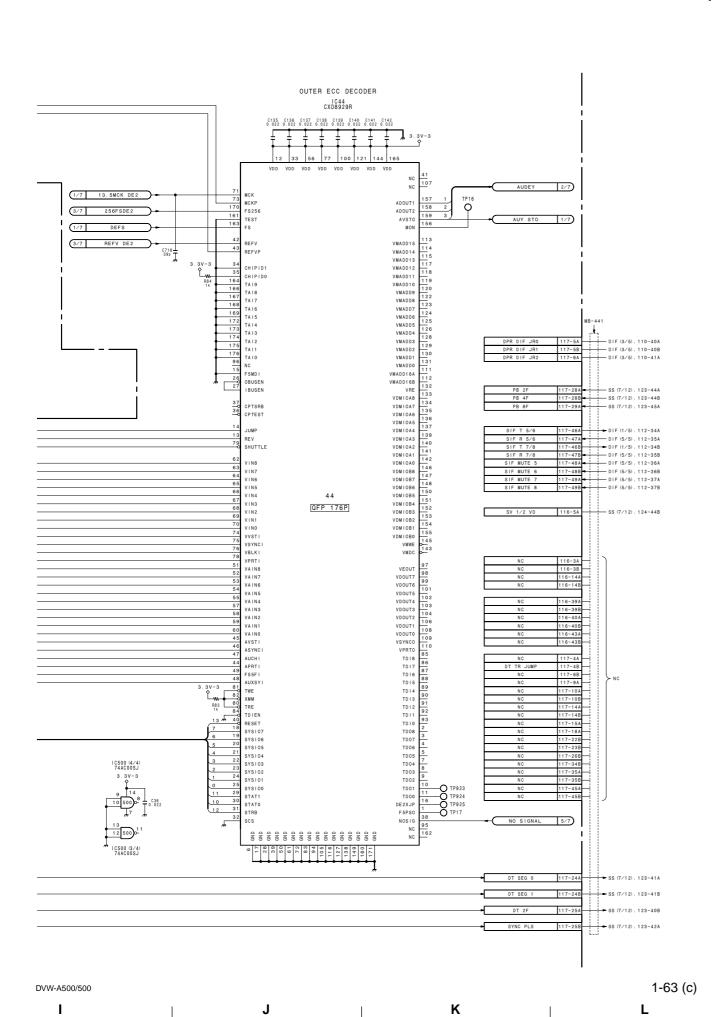
Α

F G



1-63 (c)

М



Inner/Outer ECC Decoder DPR-36 BOARD (7/7)

BOARD NO. 1-648-533-13
BOARD 'S LOT NO. 409-811
DVW-A500 (J. UC): DPR-36 MCB
DVW-A500P (EK): DPR-36P MCB
DVW-500P (J. UC): DPR-36 MCB
DVW-500P (EK): DPR-36 MCB
DVW-500P (EK): DPR-36 MCB
DVW-500P (UC): DPR-36P MCB

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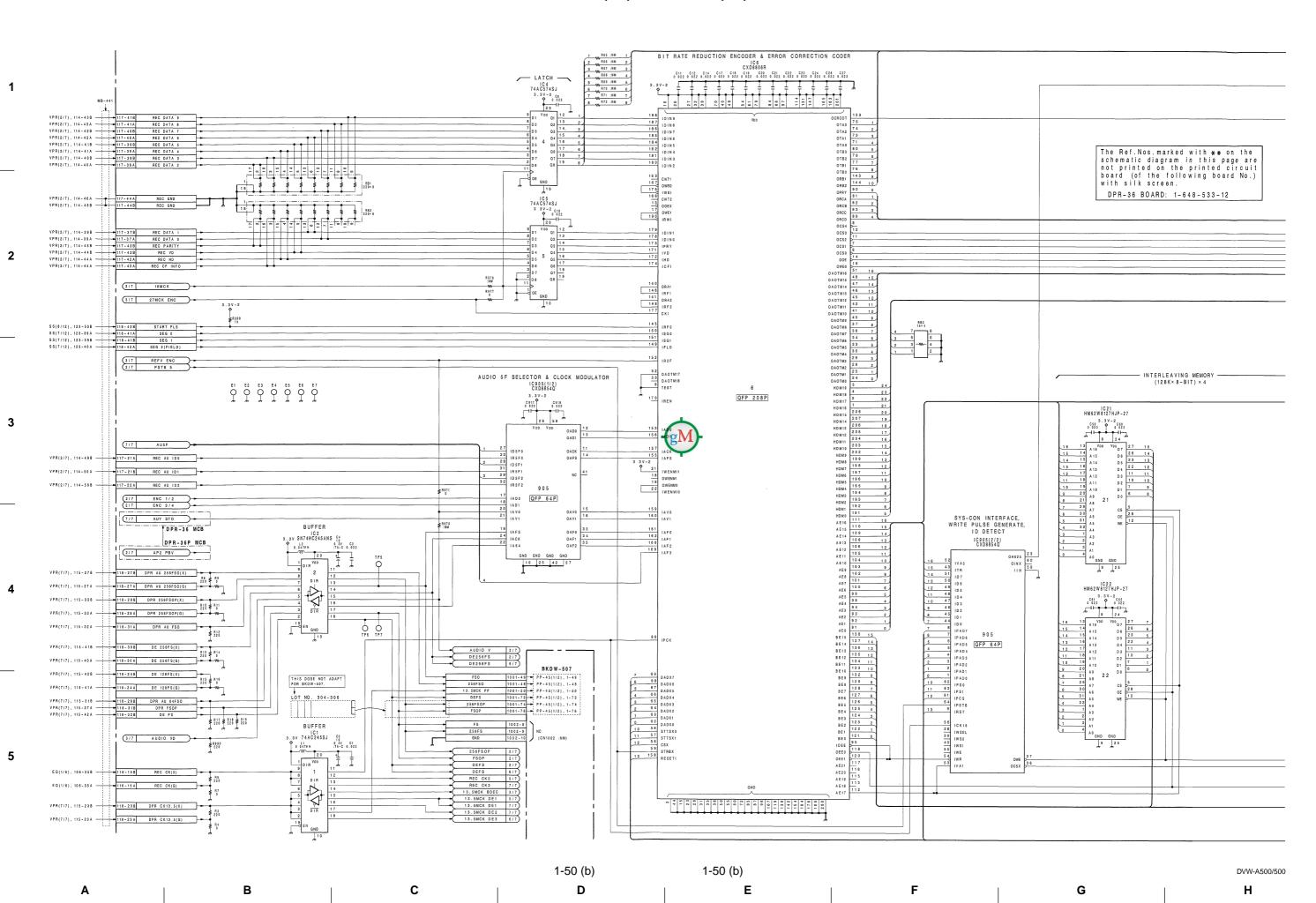
Ν

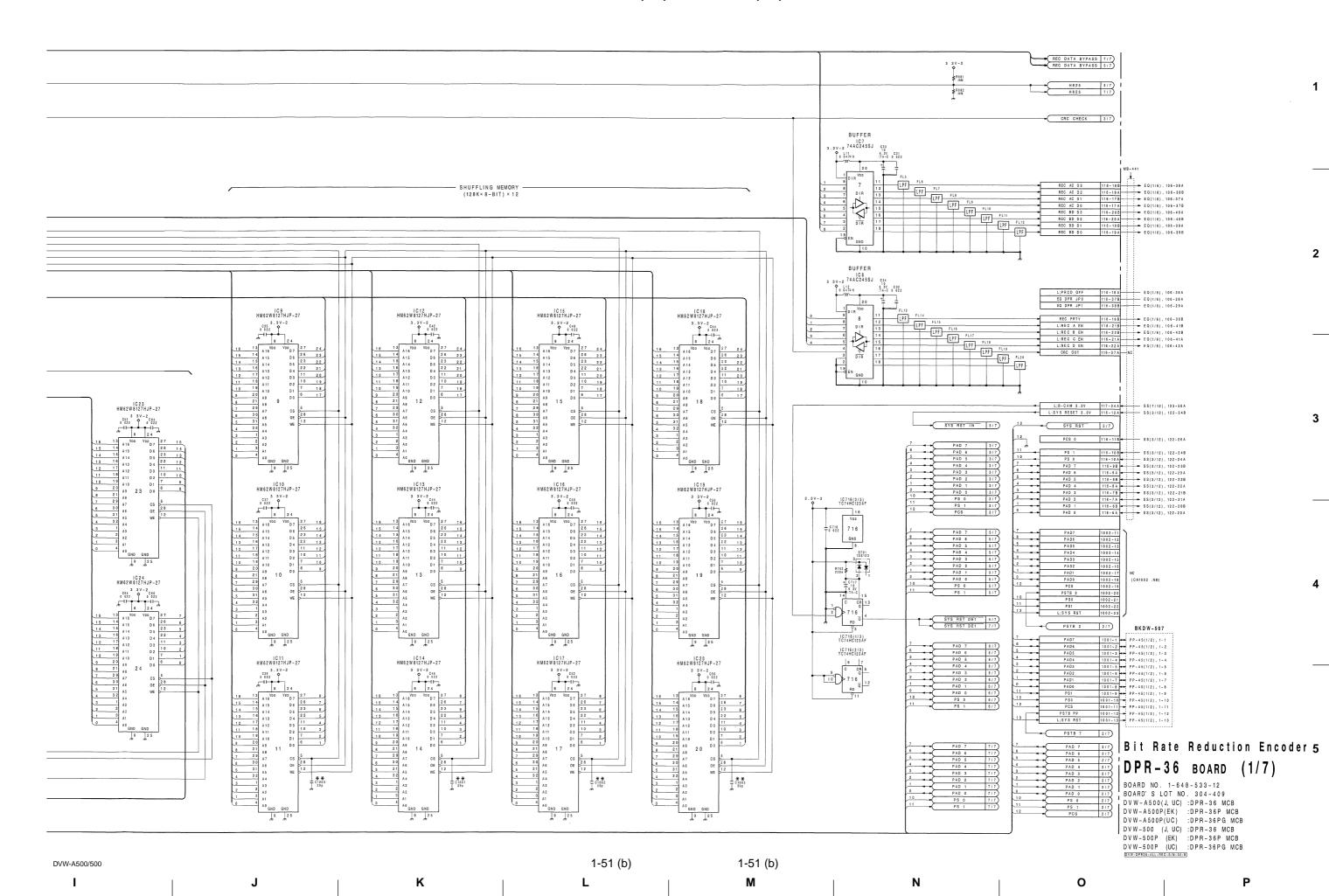
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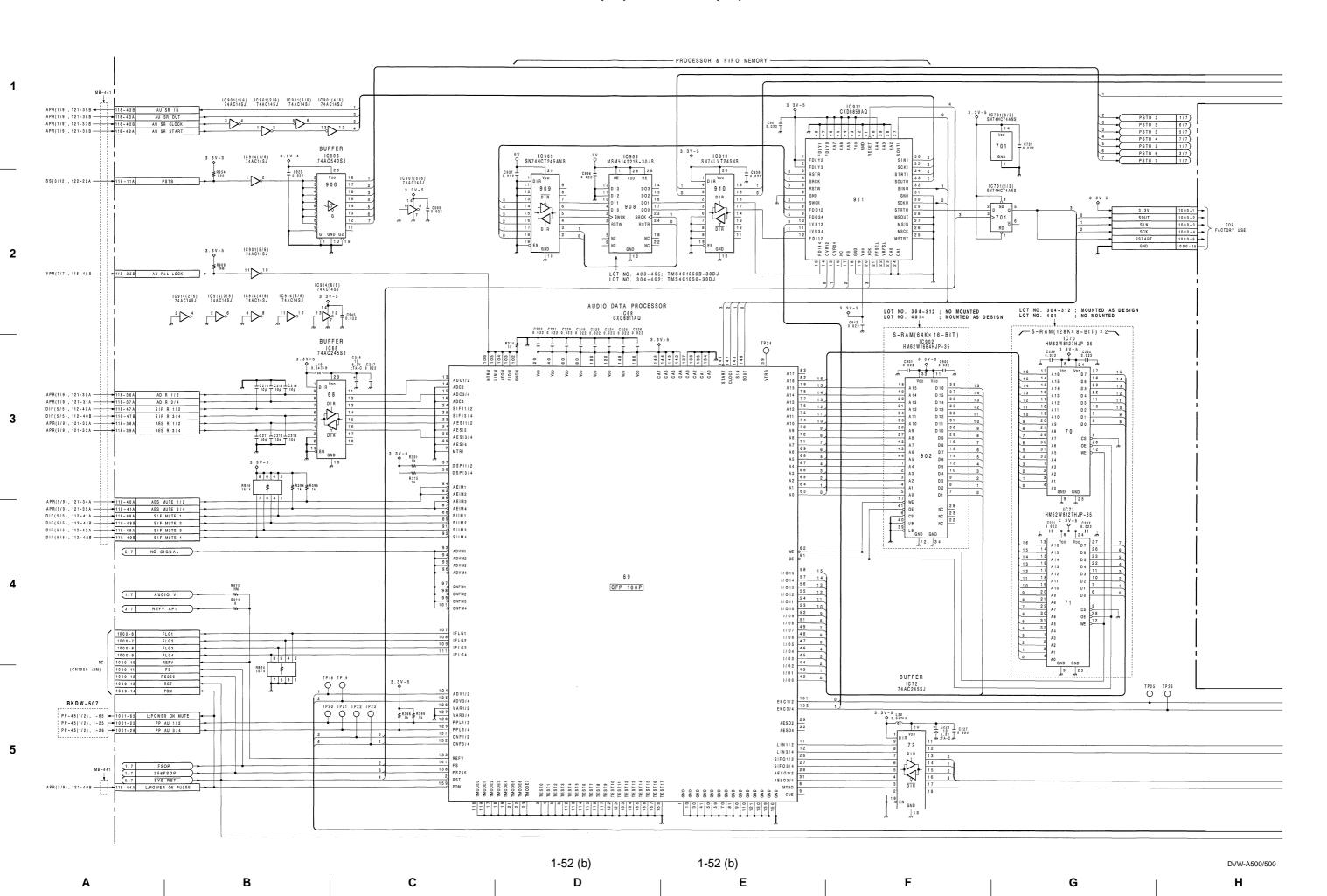
2

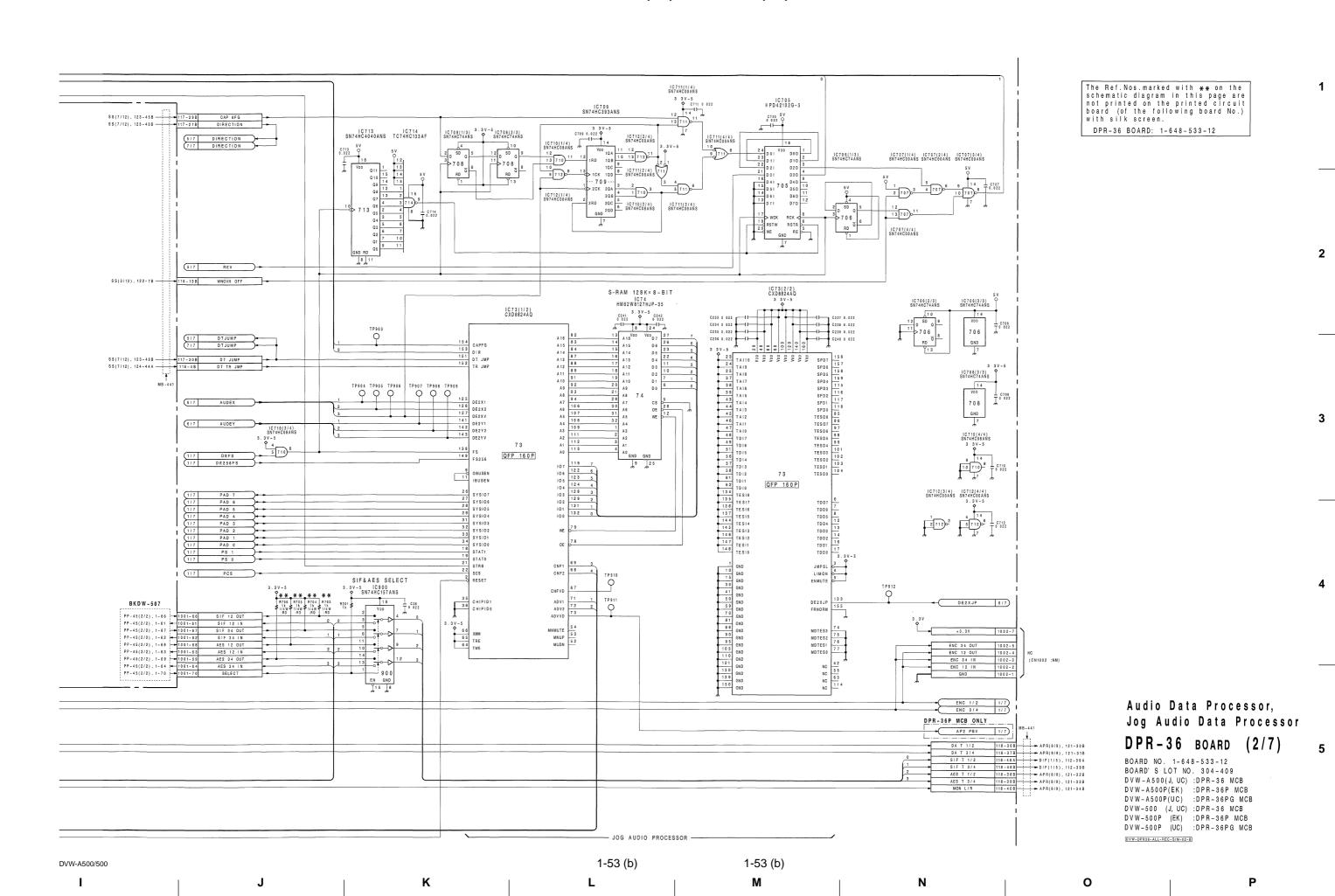
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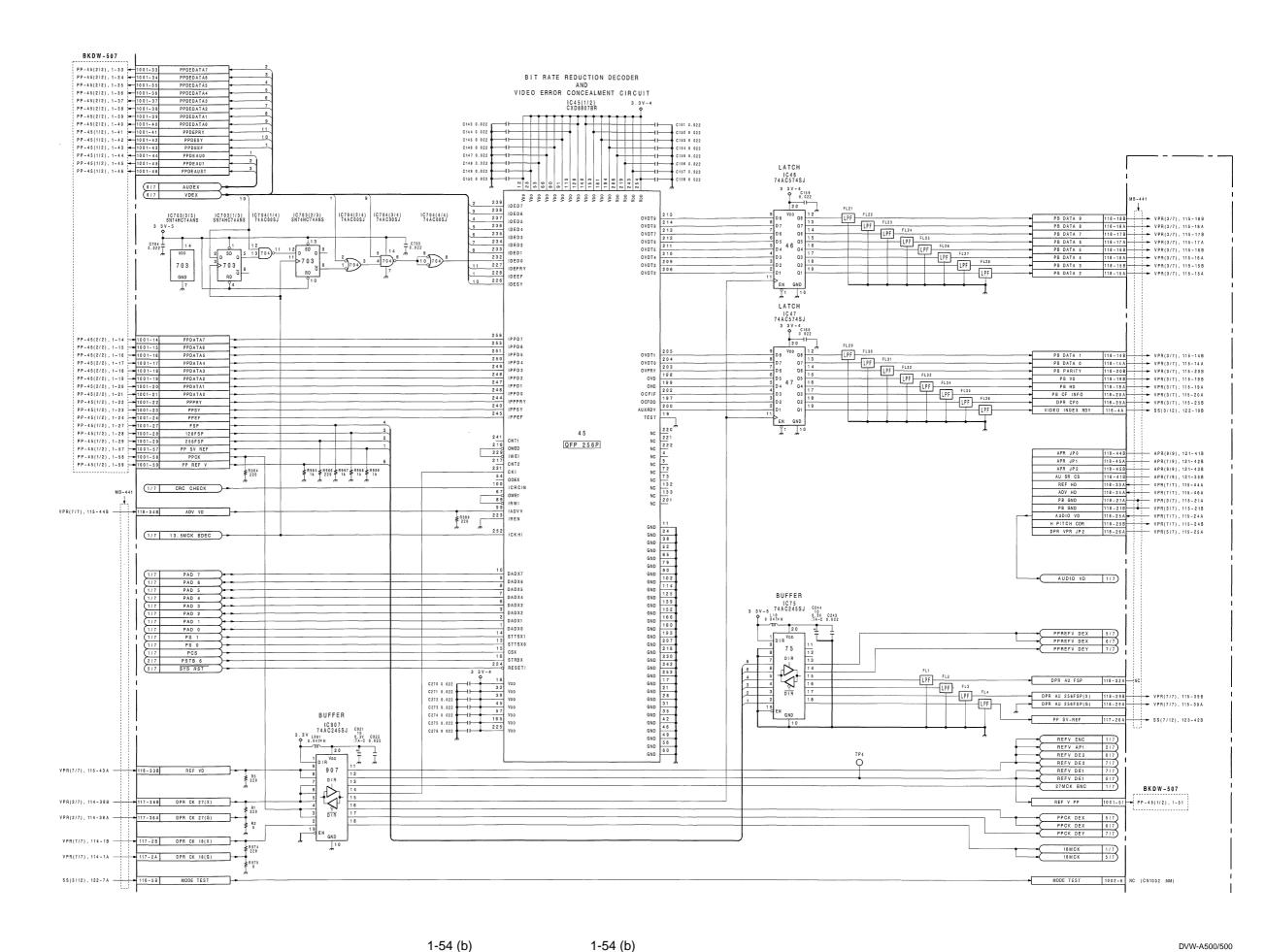




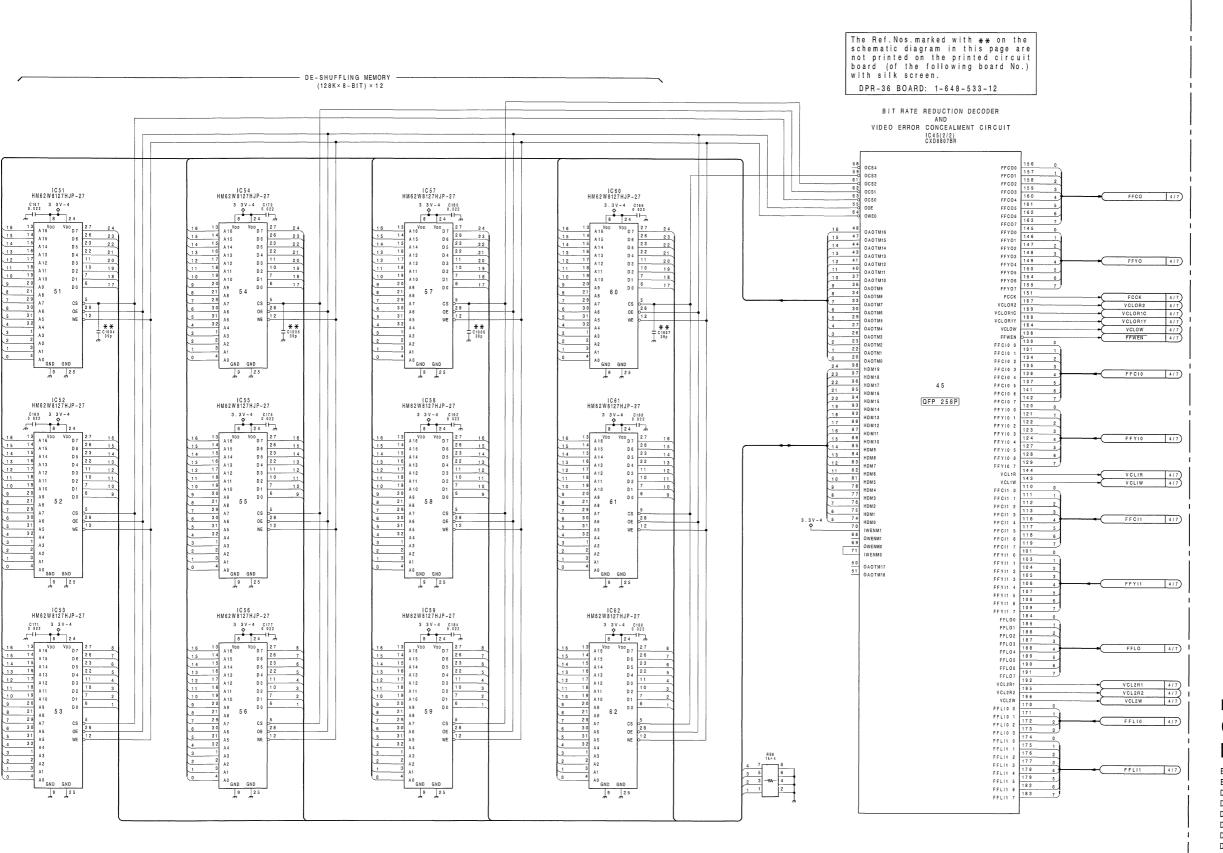
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B C D F G H



BIT Rate Reduction Decoder, Concealment Circuit DPR-36 BOARD (3/7)

Ρ

BOARD NO. 1-648-533-12
BOARD S LOT NO. 304-409
DVW-A500(J, UC) :DPR-36 MCB
DVW-A500P(EK) :DPR-36P MCB
DVW-A500P(UC) :DPR-36 MCB
DVW-500 (J, UC) :DPR-36 MCB
DVW-500P (EK) :DPR-36P MCB
DVW-500P (UC) :DPR-36P MCB

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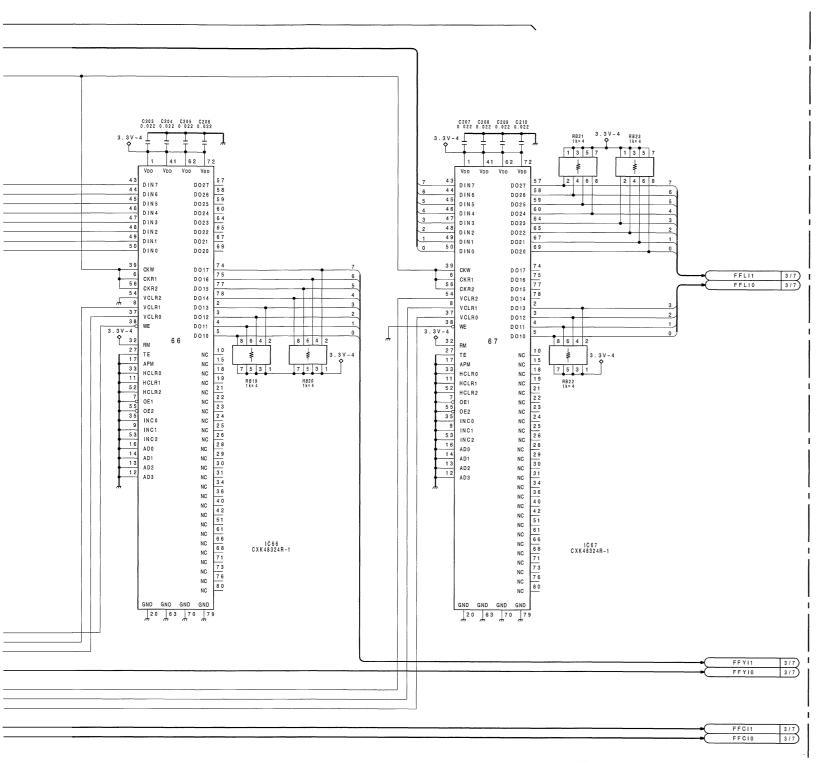
--- CONCEALMENT FIFO MEMORY(2.4M-BIT×5) ---FCCK C199 C200 C201 C202 0 022 0 022 0.022 0.022 C191 C192 C193 C194 0.022 0 022 0.022 0 022 C195 C196 C197 C198 0.022 0.022 0 022 0.022 RB15 3 . 3 V - 4 RB17 1k× 4 1 3 5 7 1 3 5 7 1 41 62 72 41 62 72 1 41 62 72 D 0 2 7 7 43 DIN7
6 44 5
5 45 DIN5
4 46 DIN4
3 47
2 48 DIN2
1 49 DIN2
0 50 DIN1 D027 58
D026 59
D025 60
D024 64
D023 65
D022 67
D021 69 D 0 2 6 DIN 6 D026 D 0 2 5 DO25 DIN 5 DIN 5 DIN 4 47 DIN 3 D I N 3 D023 D023 48 D1N2 DIN 2 D O 2 2 49 DIN 2 50 DIN 1 DIN 0 D022 D020 39 CKW CKR1 CKR2 VCLR2 WCLR2 37 VCLR1 6 5 6 CKR1 D O 16 D O 16 CKR2 D 0 1 5 D 015 D 014 D 0 15 8 6 4 2 VCLR2 3 7 VCLH1
VCLR0
WE
3 2 RM
TE 3/7 VCLORIC VCLR1 D O 13 V CLR 0 D O 12 D 012 D 0 12 3.37-4

9 32
27
17
17
33
HCR0
111
52
HCR0
9 INC1
53
INC2
16
AD0
14
AD1
AD1
AD2
AD3 D 011 8 6 4 D O 10 8 6 4 2 8 6 4 2 8 6 4 2 8 6 4 2 6 5 3 . 3 V - 4 * * \$ ¥ 7 5 3 1 RB10 1 k× 4 7 5 3 1 7 5 3 1 7 5 3 1 7 5 3 7 5 3 RB12 1 k× 4 RB13 1k×4 RB14 1k× 4 RB16 1k× 4 RB18 1 k × 4 7 HCLR2
7 OE1
5 OE2
35 INC0
16 AD0
14 AD1
13 AD2
AD3 IC 63 CXK 48324R-1 IC64 CXK48324R-1 IC65 CXK48324R-1 20 63 70 79 20 63 70 79 20 63 70 79 VCLIR VCL2R1

DVW-A500/500

1-56 (b) 1-56 (b) G

В С D Ε F



Concealment FIFO Memory DPR-36 BOARD (4/7)

BOARD NO. 1-648-533-12
BOARD'S LOT NO. 304-409
DVW-A500(J, UC) :DPR-36 MCB
DVW-A500P(EK) :DPR-36PG MCB
DVW-A500P(UC) :DPR-36PG MCB
DVW-500 (J, UC) :DPR-36 MCB
DVW-500P (EK) :DPR-36P MCB
DVW-500P (UC) :DPR-36PG MCB

DVW-DPR36-ALL-REC-S/M-02-B

1-57 (b) 1-57 (b)

М

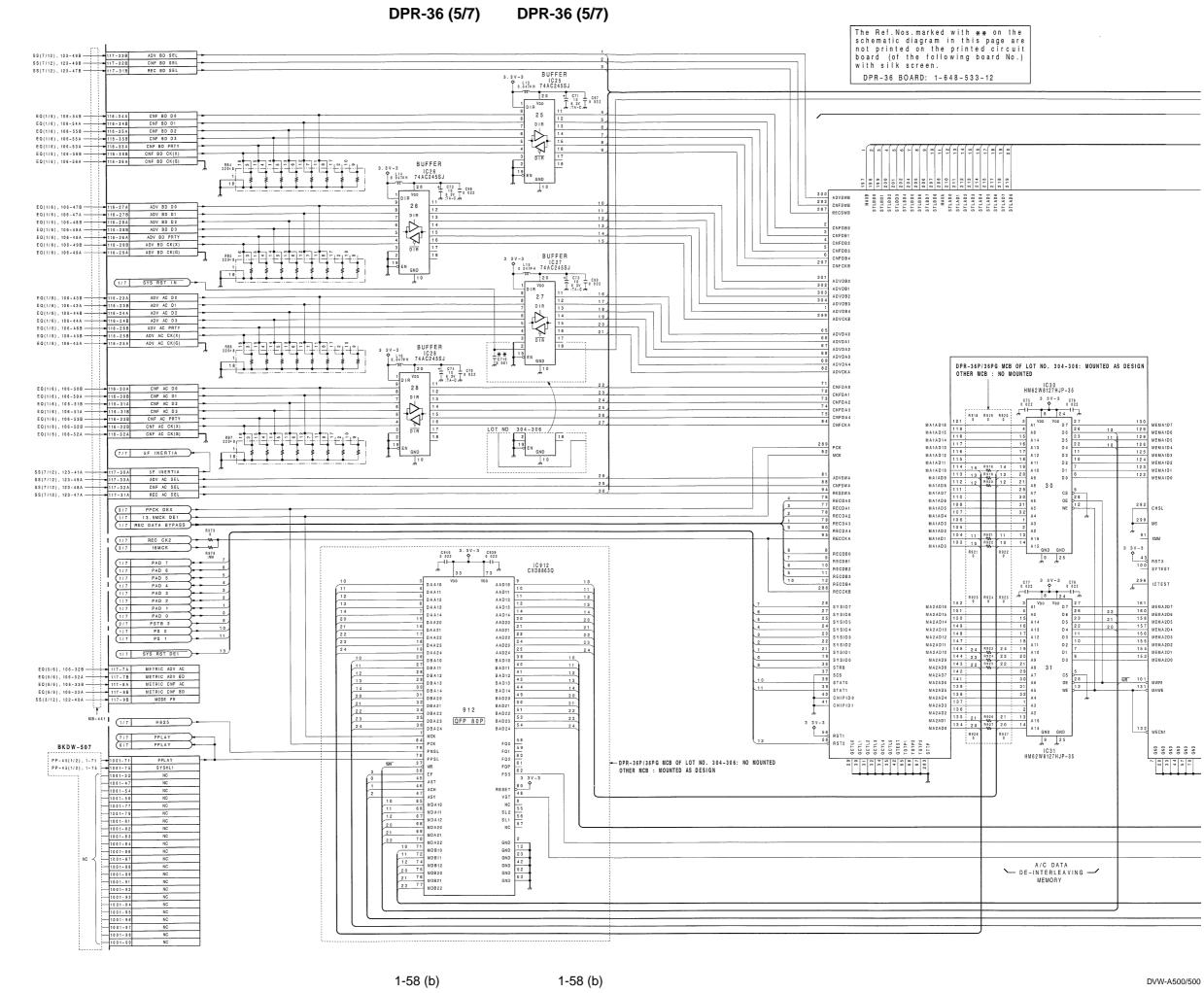
DVW-A500/500

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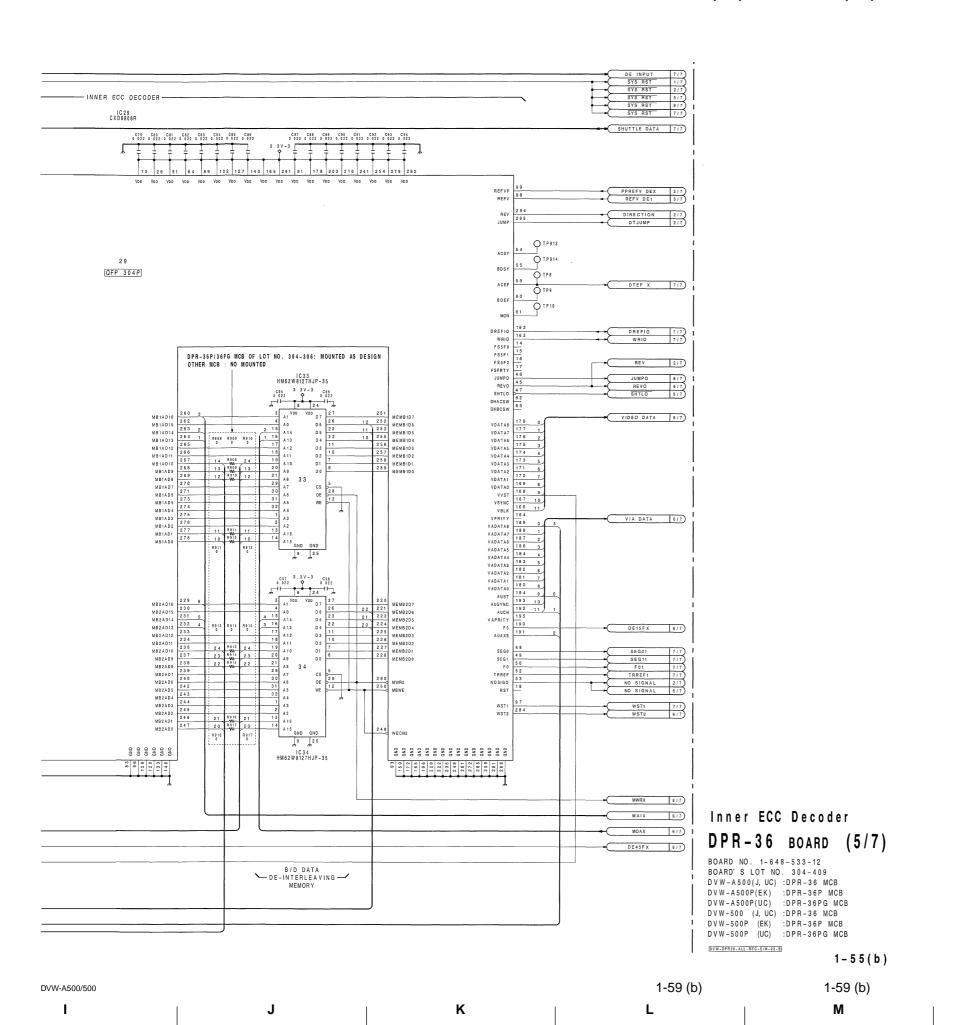
1



A B C D E G H

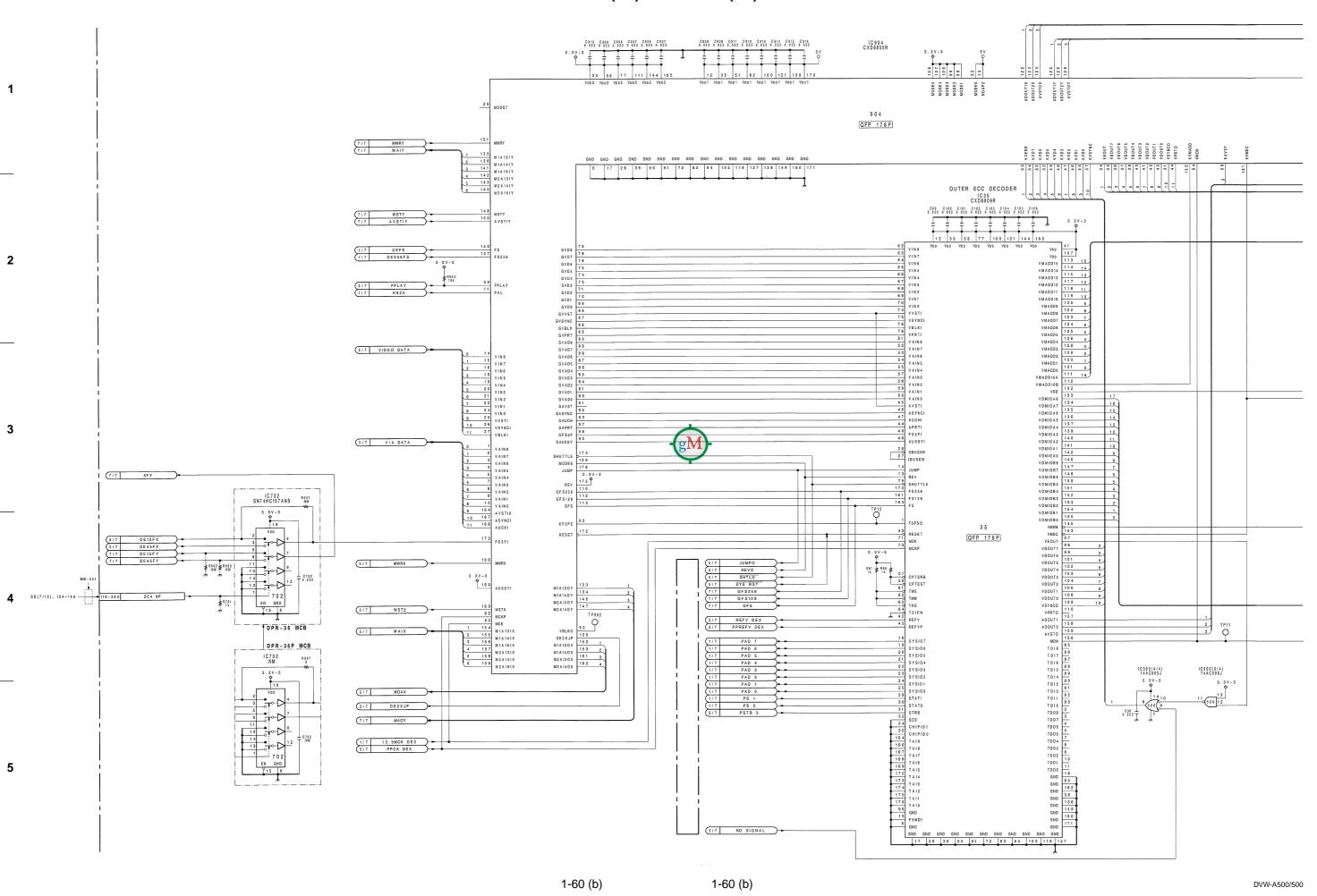
Ν

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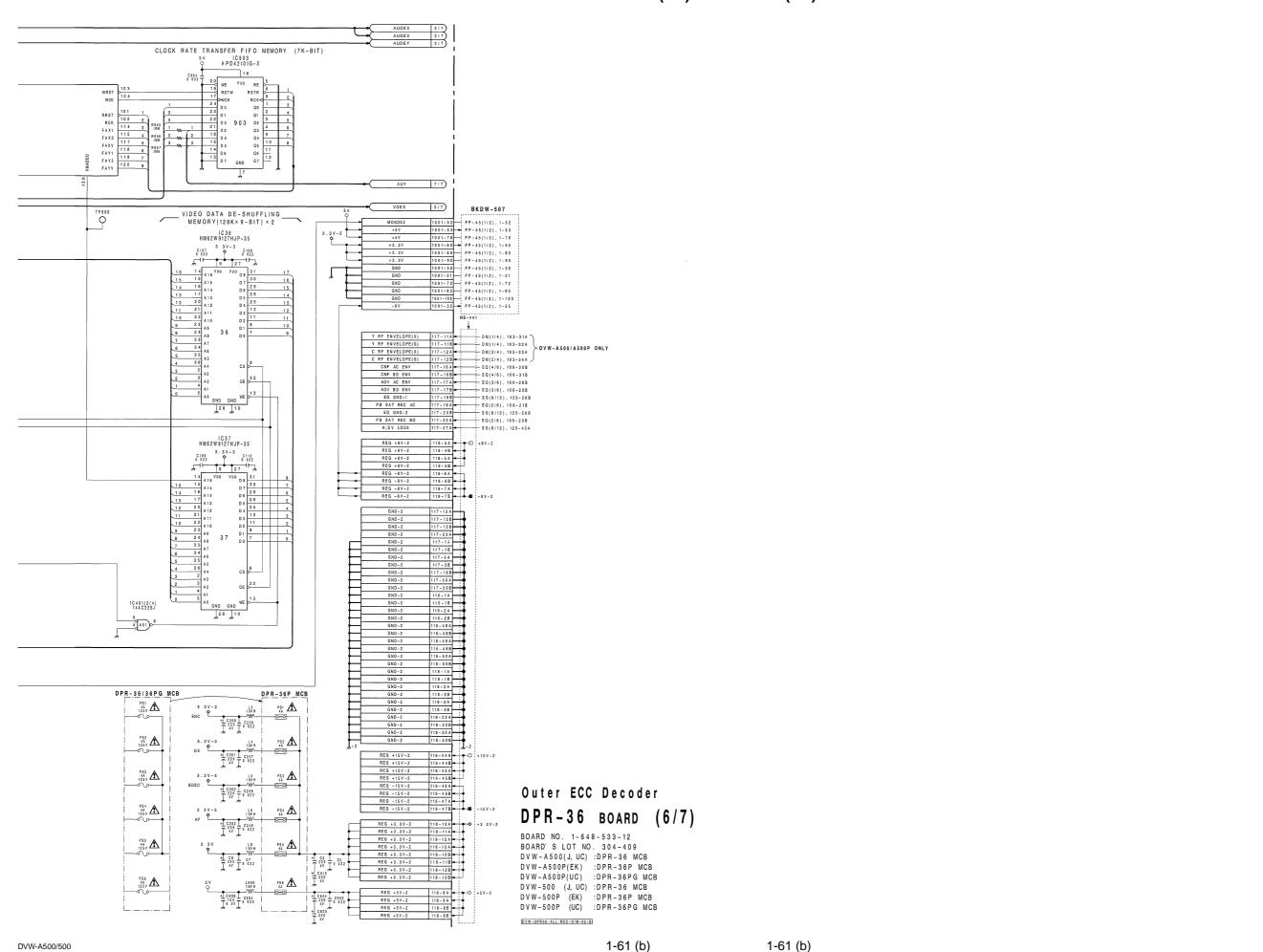
Ε

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В

С

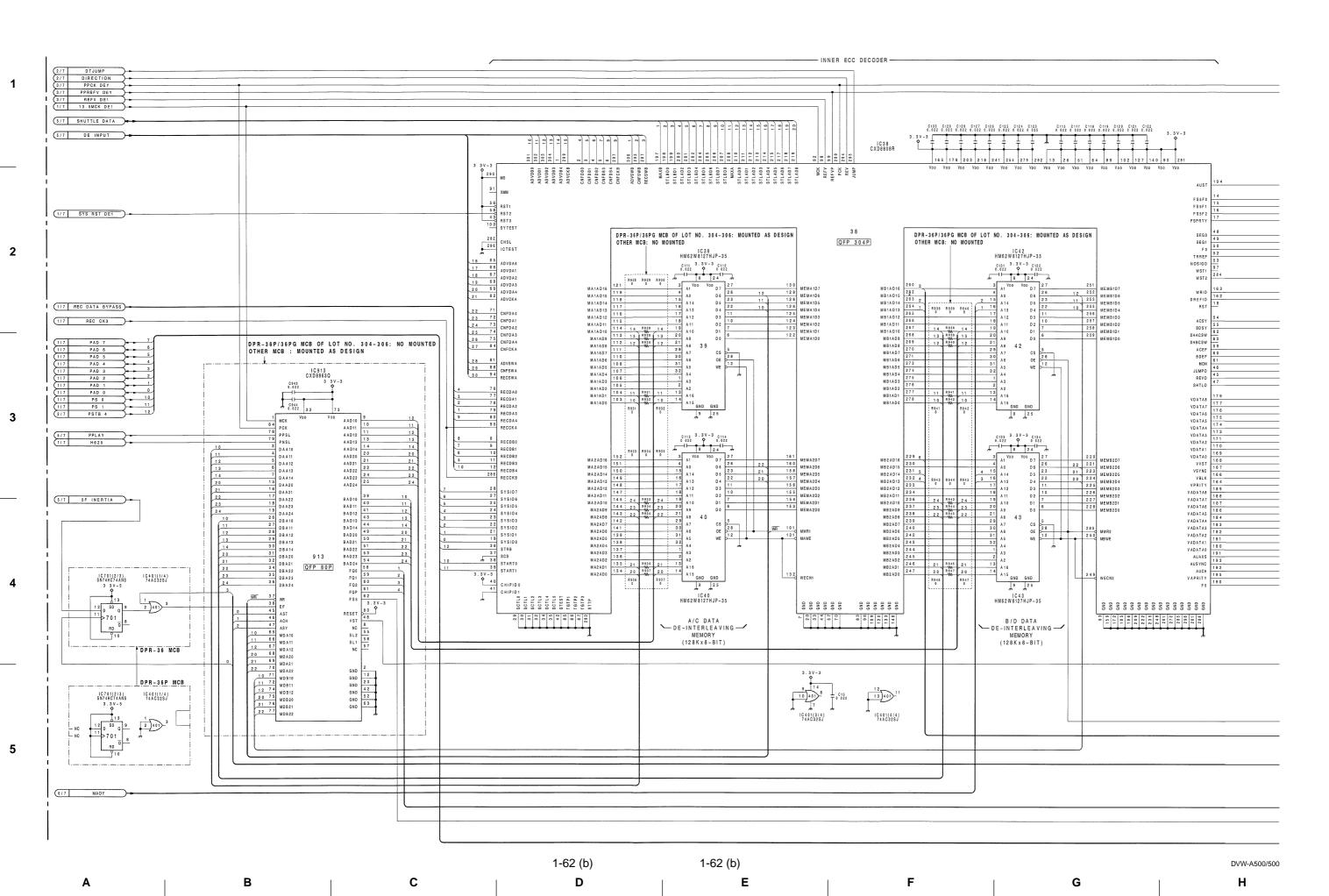


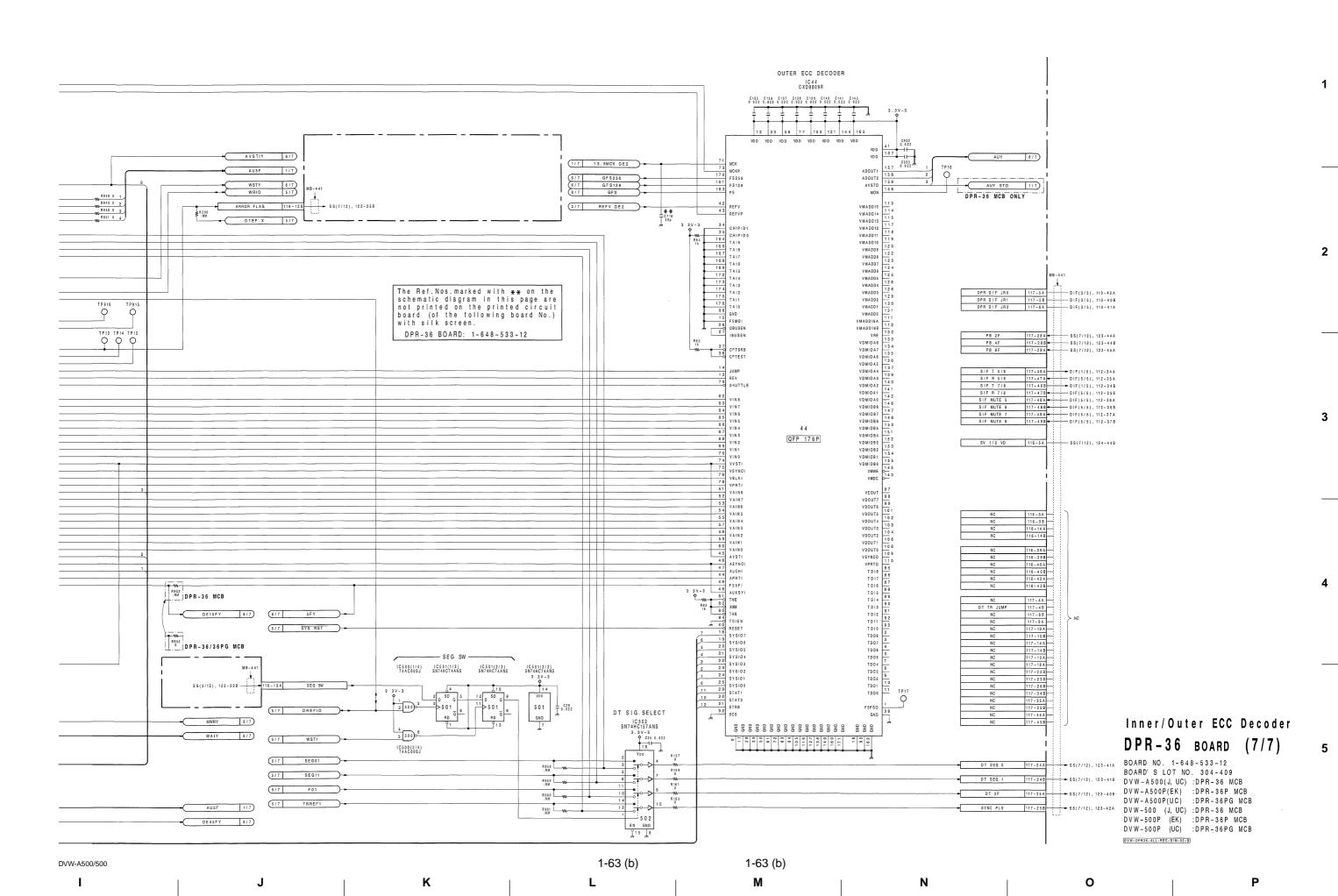
M

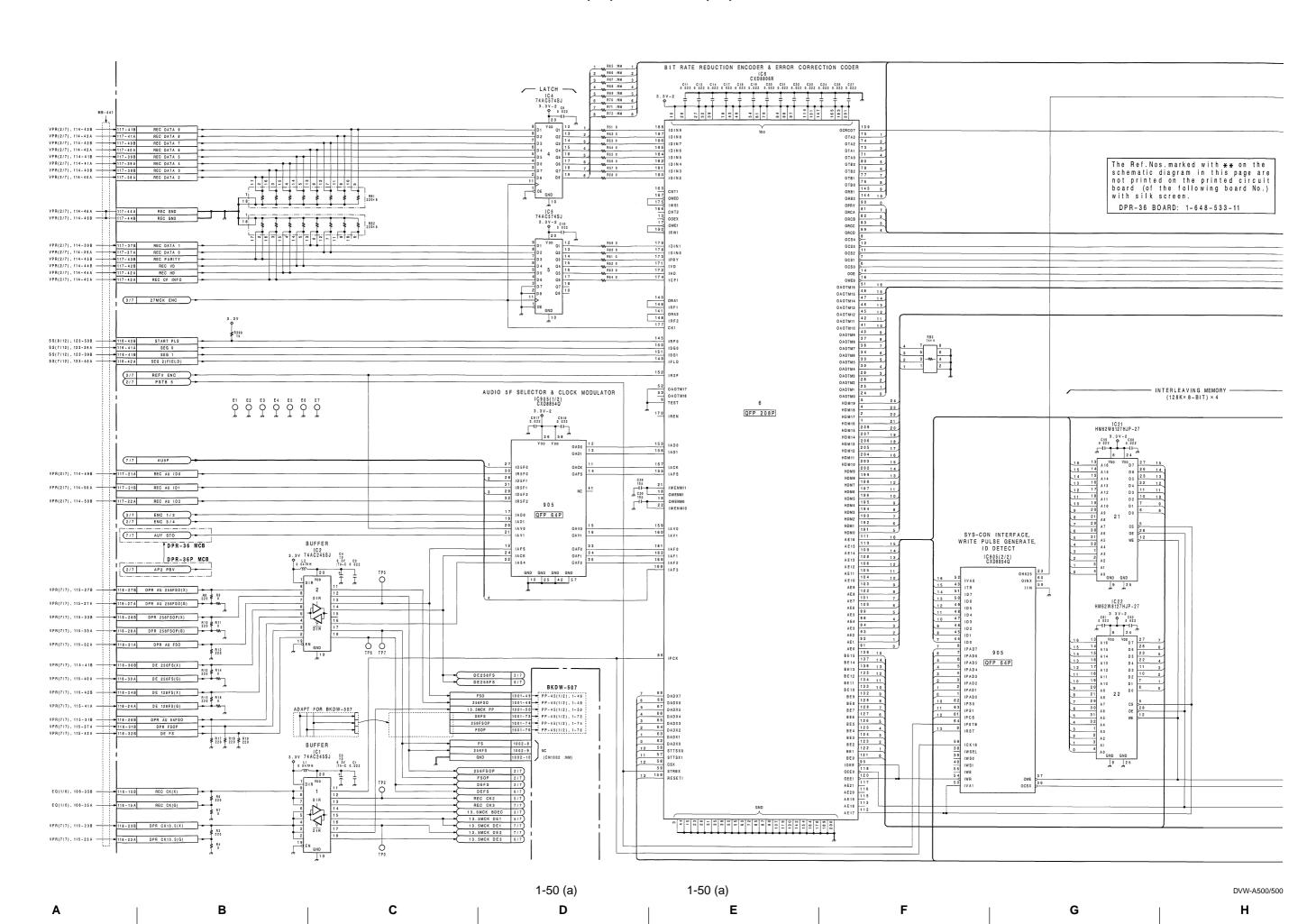
Ν

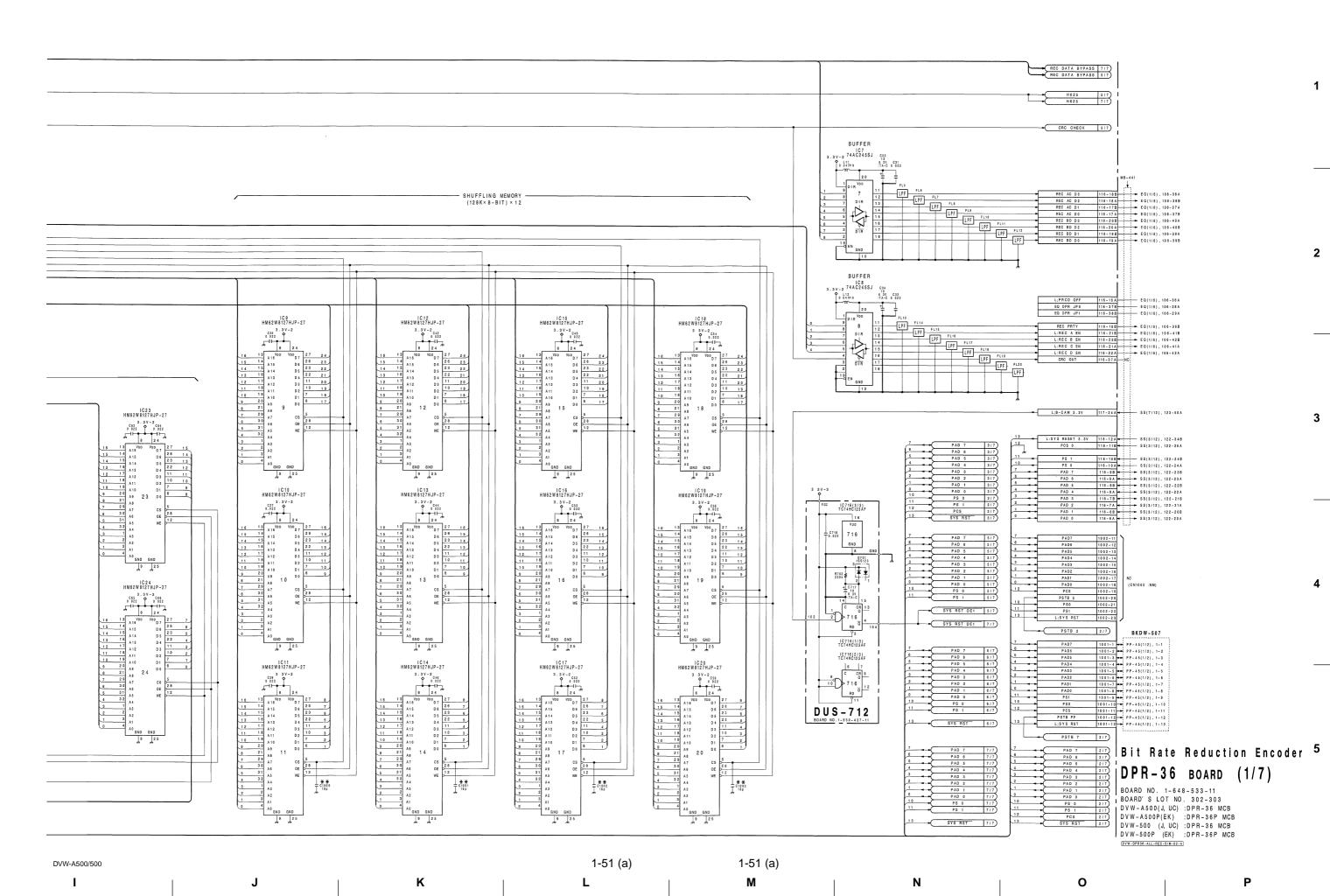
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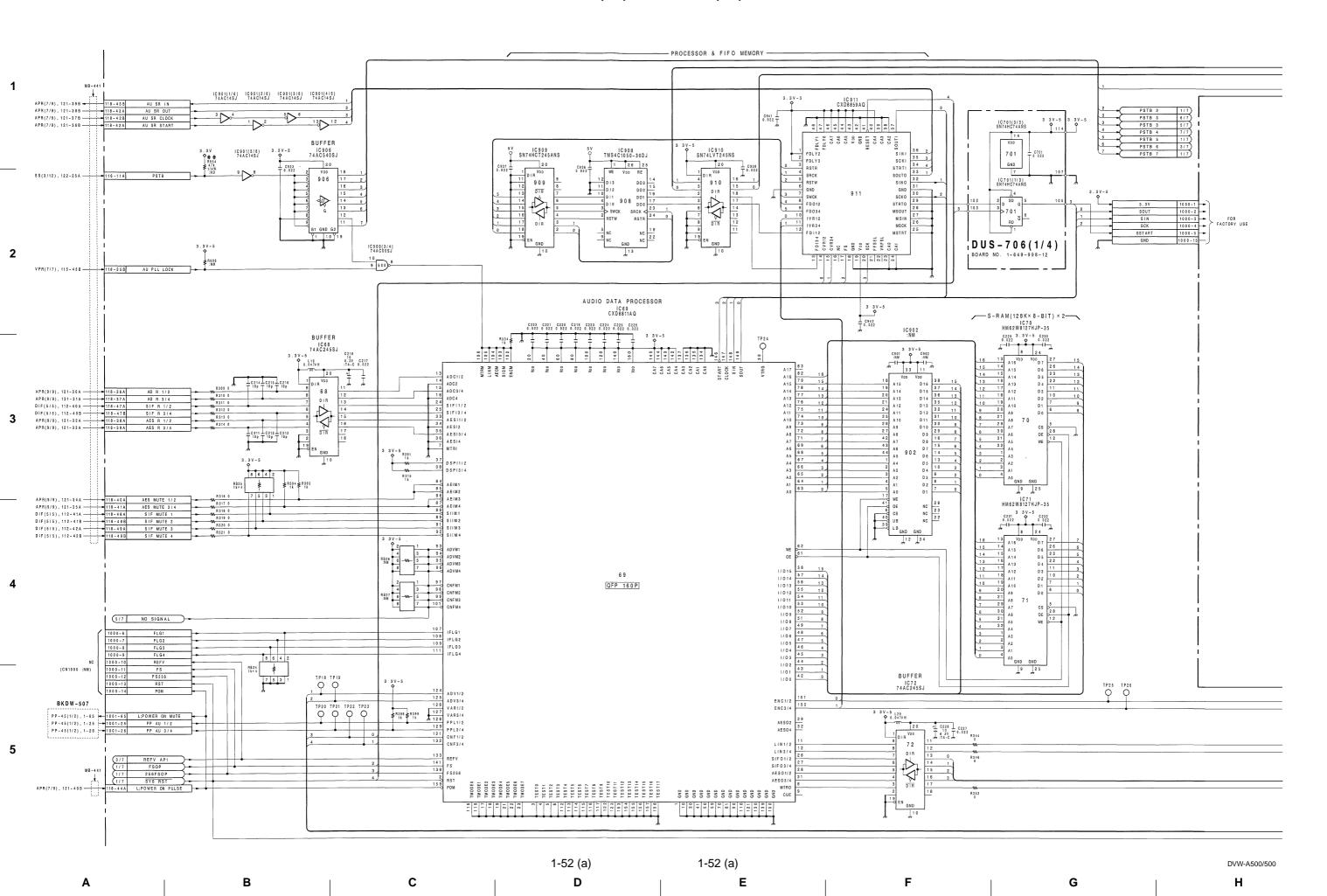
Κ





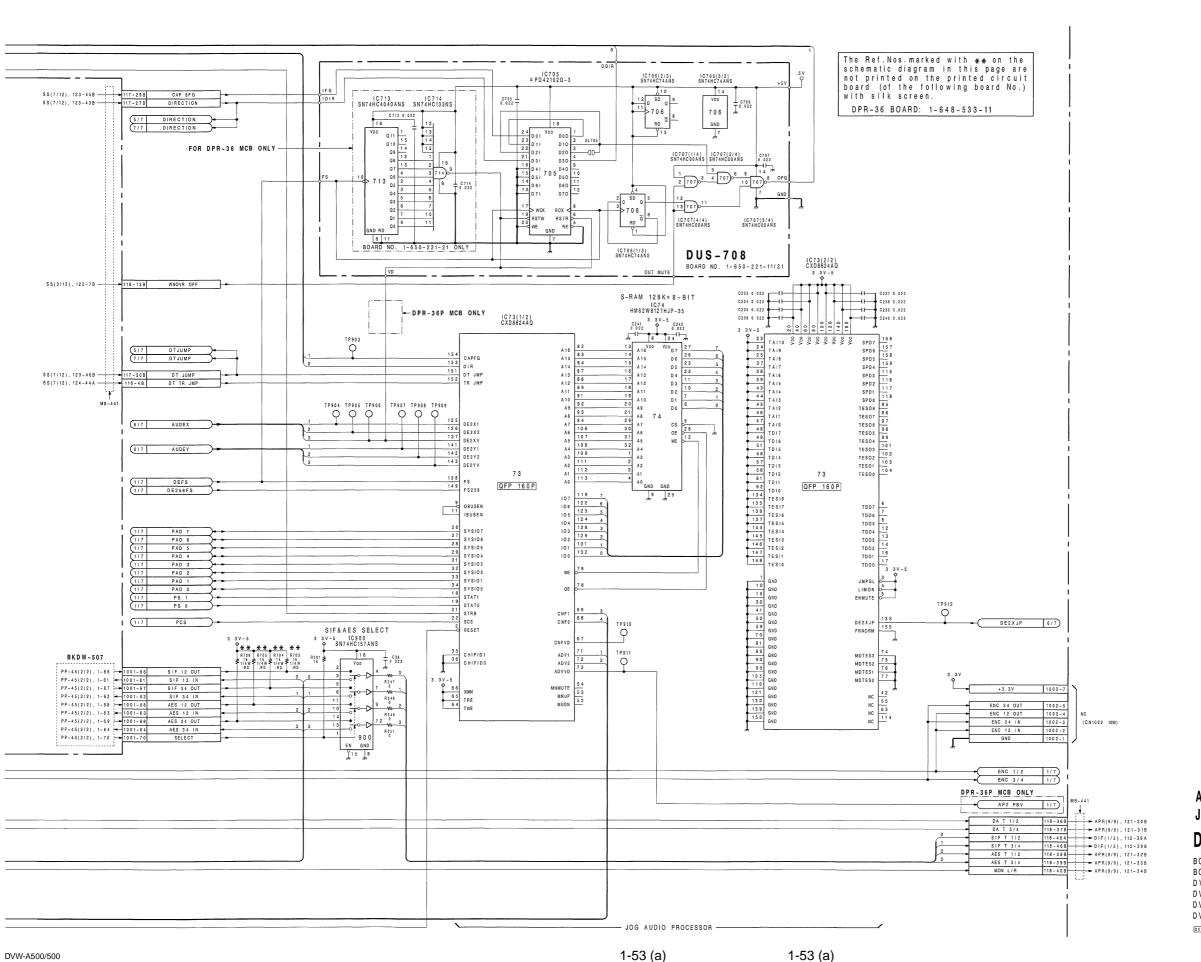






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Audio Data Processor,
Jog Audio Data Processor

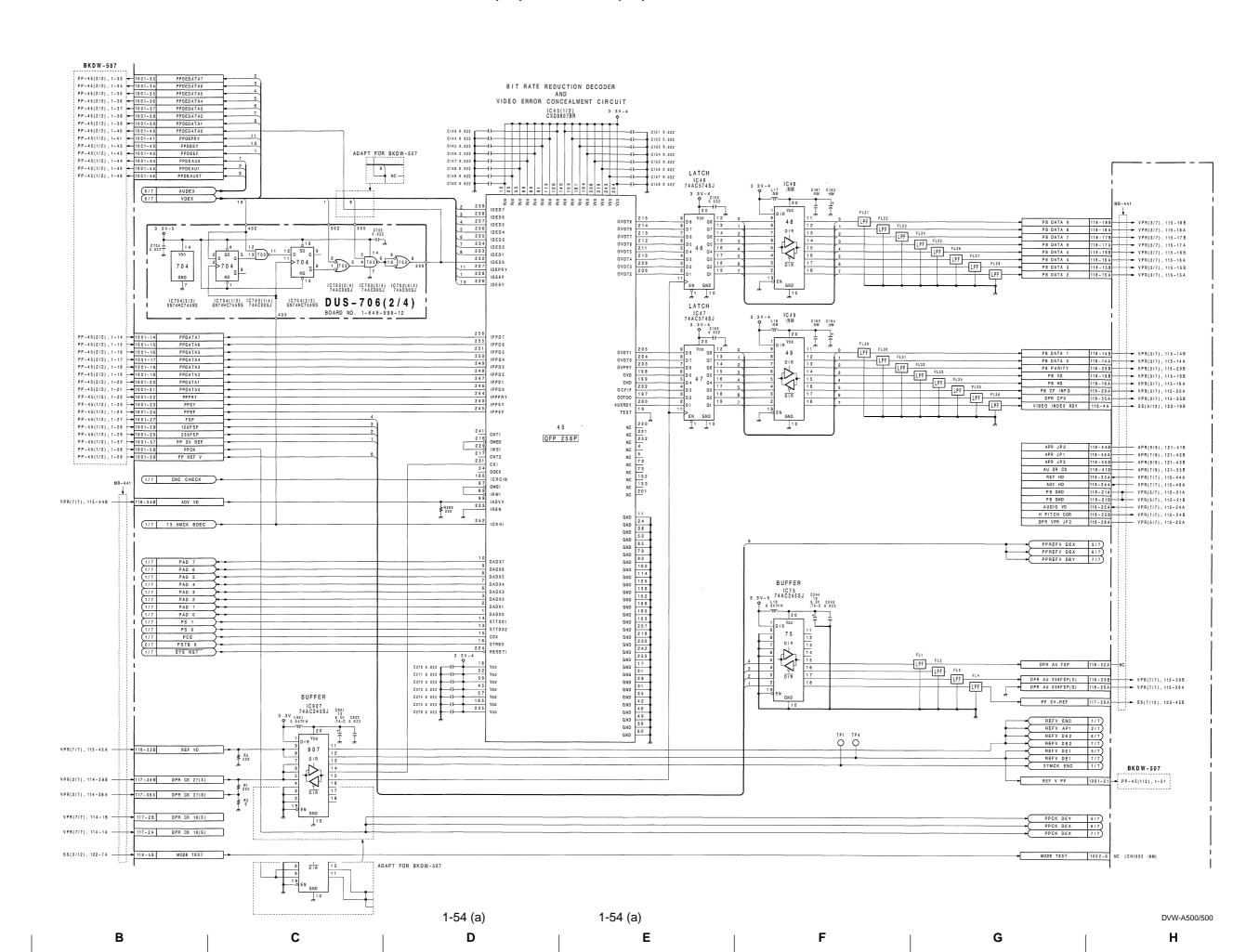
DPR-36 BOARD (2/7)

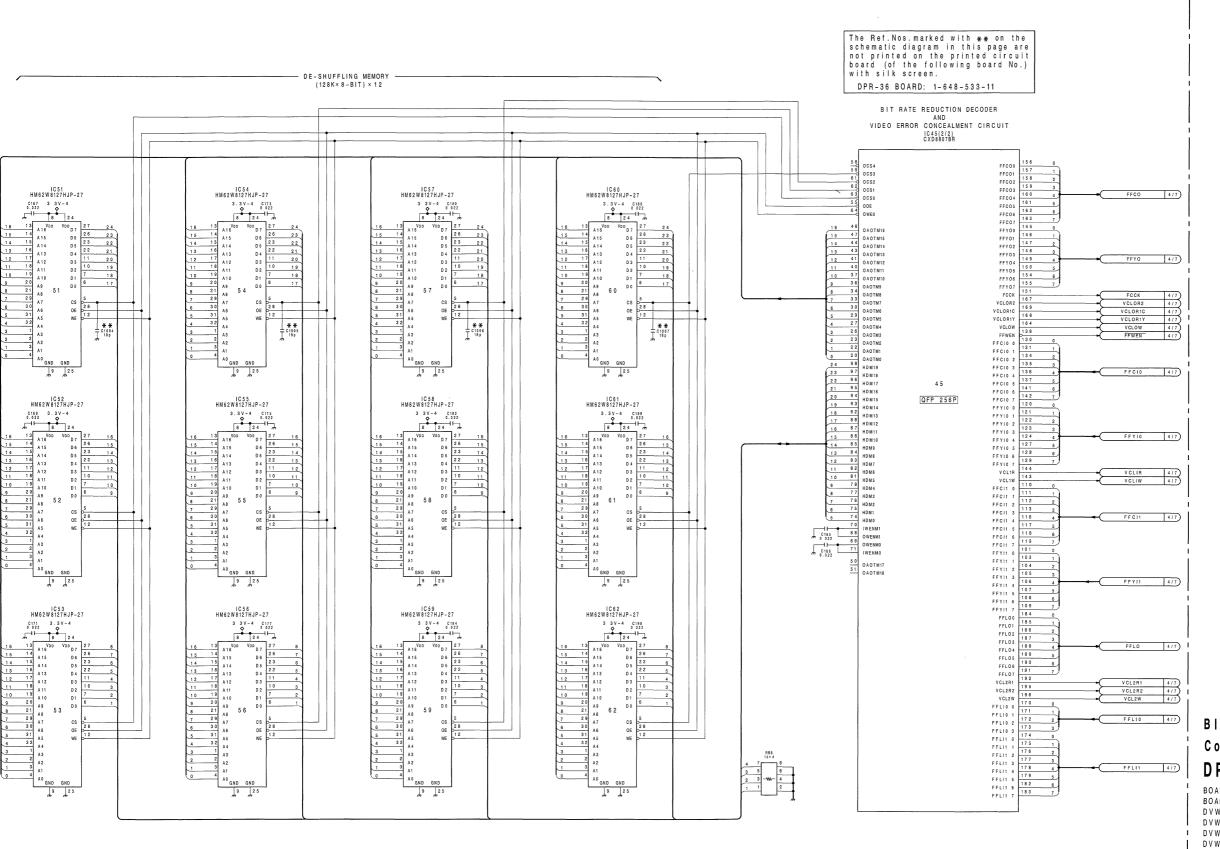
BOARD NO. 1-648-533-11 BOARD'S LOT NO. 302-303 DVW-A500(J, UC):DPR-36 MCB DVW-A500P(EK):DPR-36P MCB DVW-500 (J, UC):DPR-36 MCB DVW-500P (EK):DPR-36 MCB

DVW-DFR30-ALL-REG-S/M-U2-A

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BIT Rate Reduction Decoder, Concealment Circuit DPR-36 BOARD (3/7)

BOARD NO. 1-648-533-11 BOARD'S LOT NO. 302-303 DVW-A500(J, UC) : DPR-36 MCB DVW-A500P(EK) :DPR-36P MCB DVW-500 (J, UC) :DPR-36 MCB DVW-500P (EK) :DPR-36P MCB DVW-DPR36-ALL-REC-S/M-02-A

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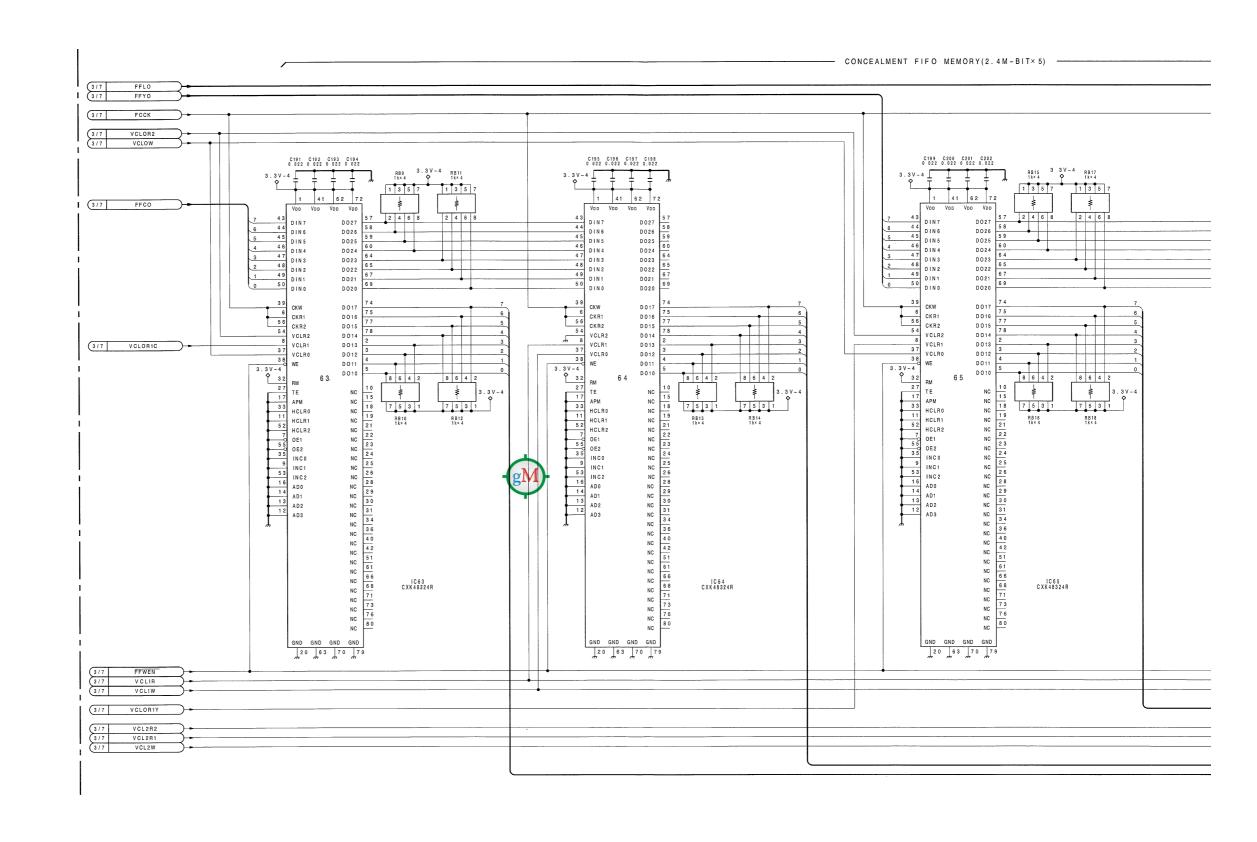
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1-55 (a) 1-55 (a) DVW-A500/500 Κ M

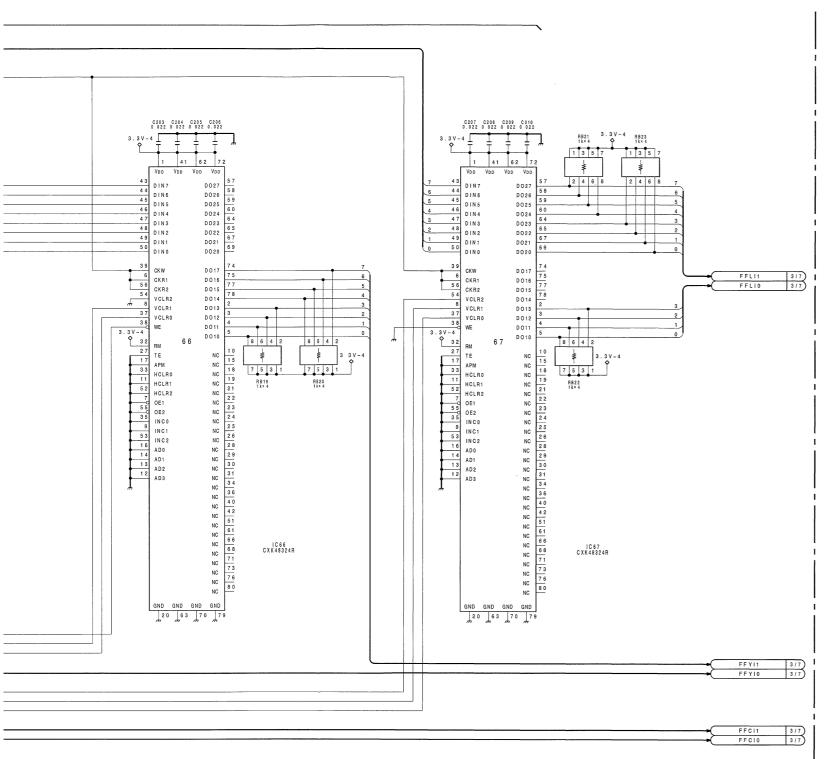
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1-56 (a) 1-56 (a) 1-56 (a) DVW-A500/500 F G H



Concealment FIFO Memory

DPR-36 BOARD (4/7)

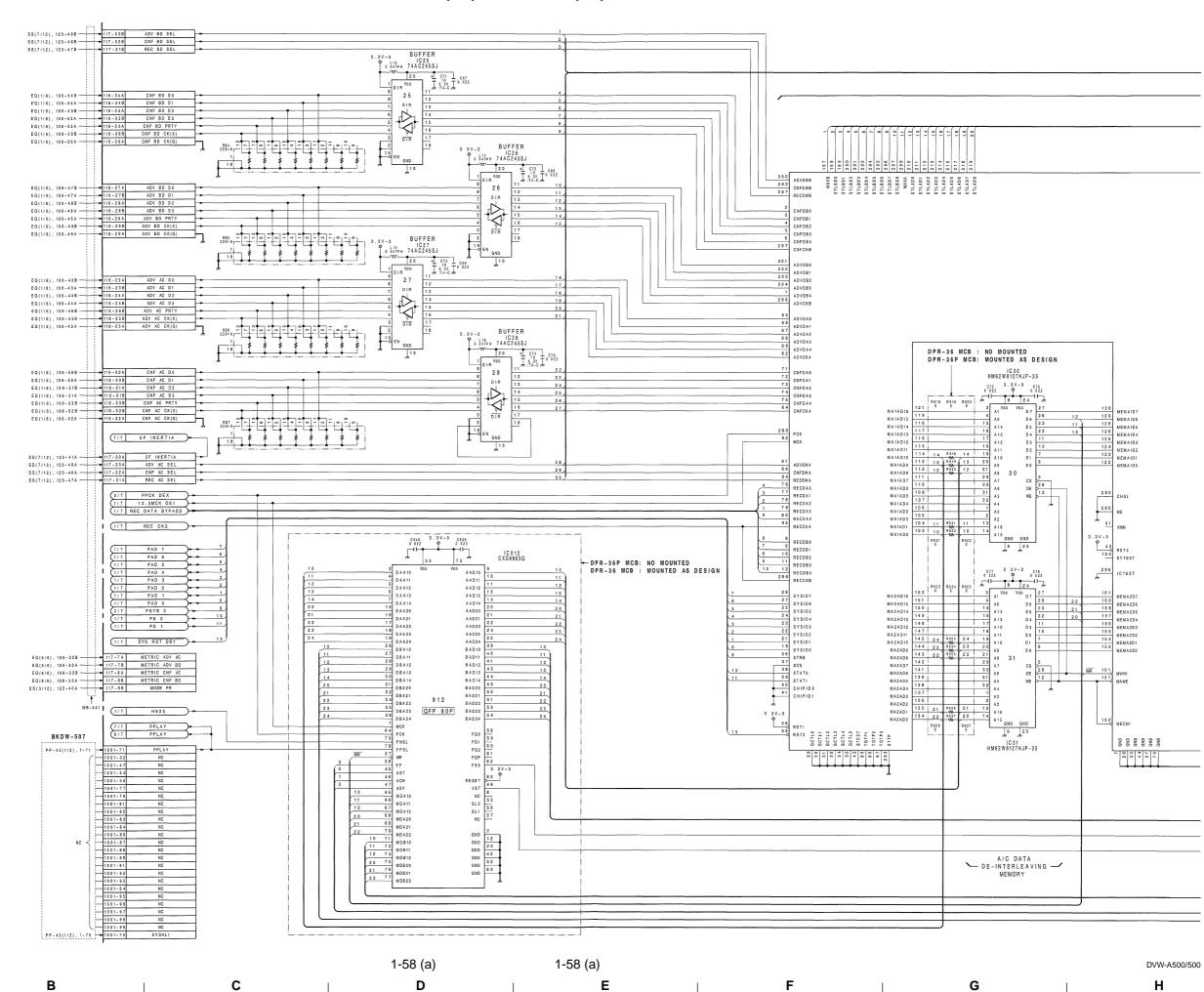
Ν

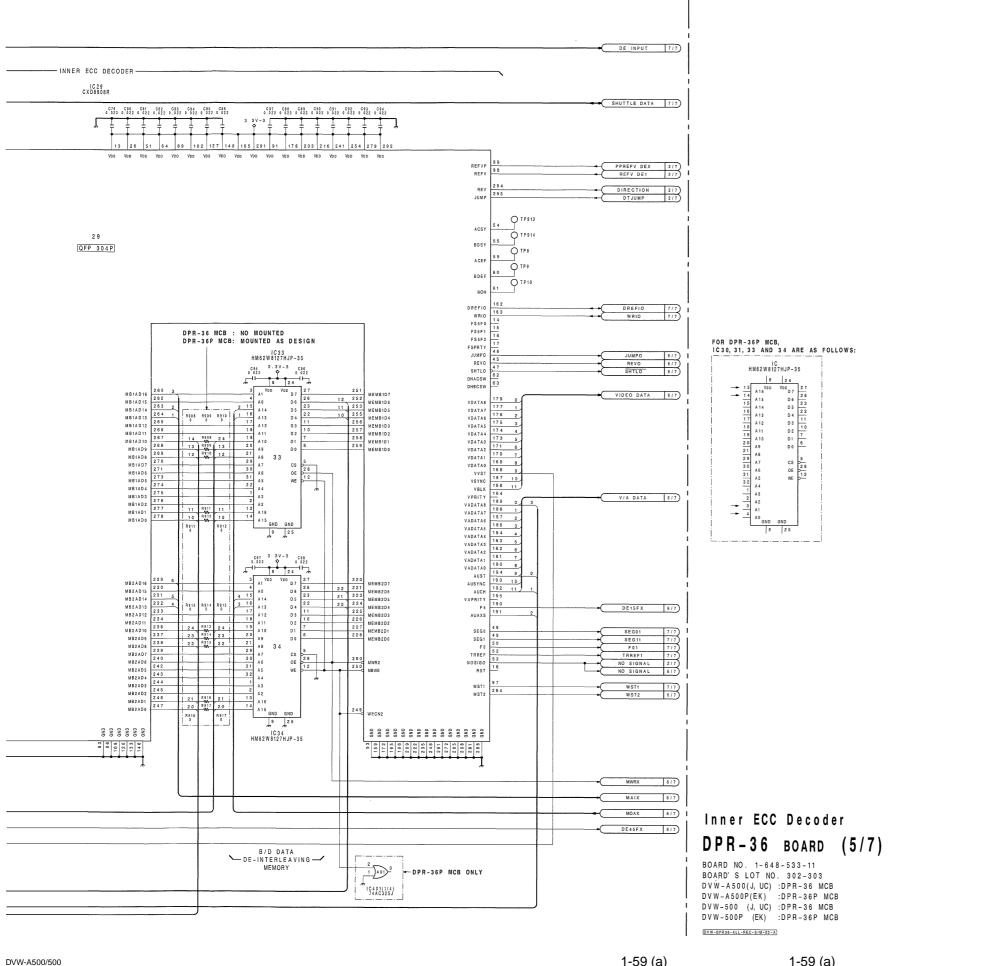
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BOARD NO. 1-648-533-11
BOARD'S LOT NO. 302-303
DVW-A500(J, UC):DPR-36 MCB
DVW-A500P(EK):DPR-36P MCB
DVW-500 (J, UC):DPR-36 MCB
DVW-500P(EK):DPR-36P MCB

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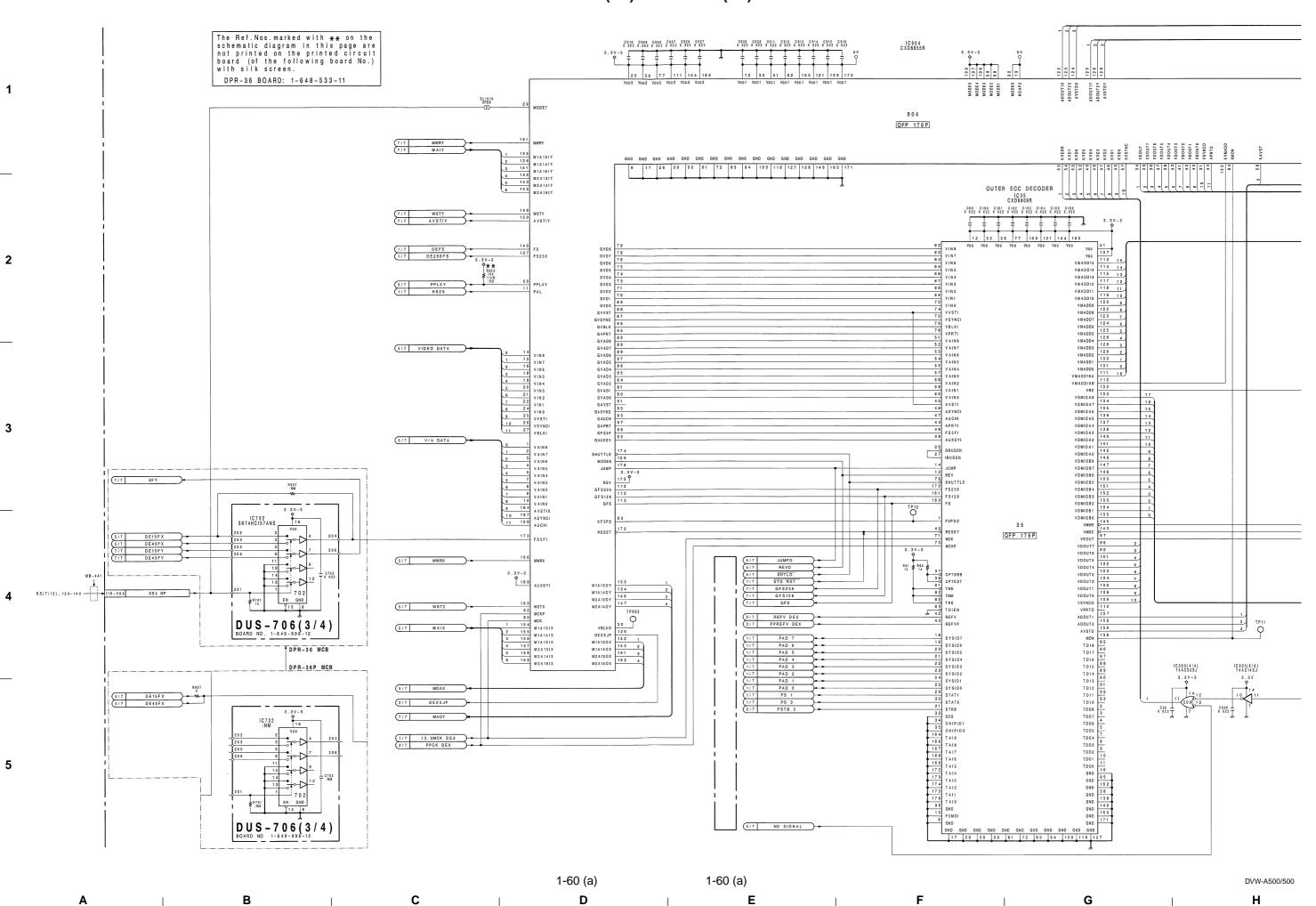
1-59 (a) 1-59 (a)

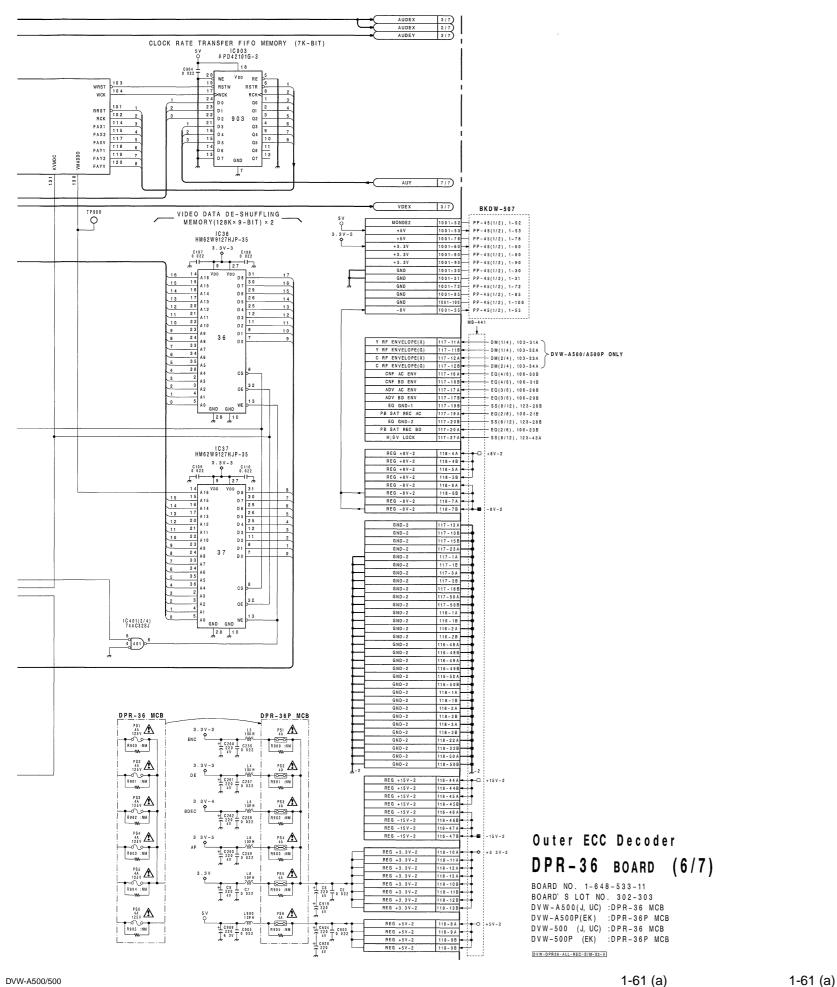
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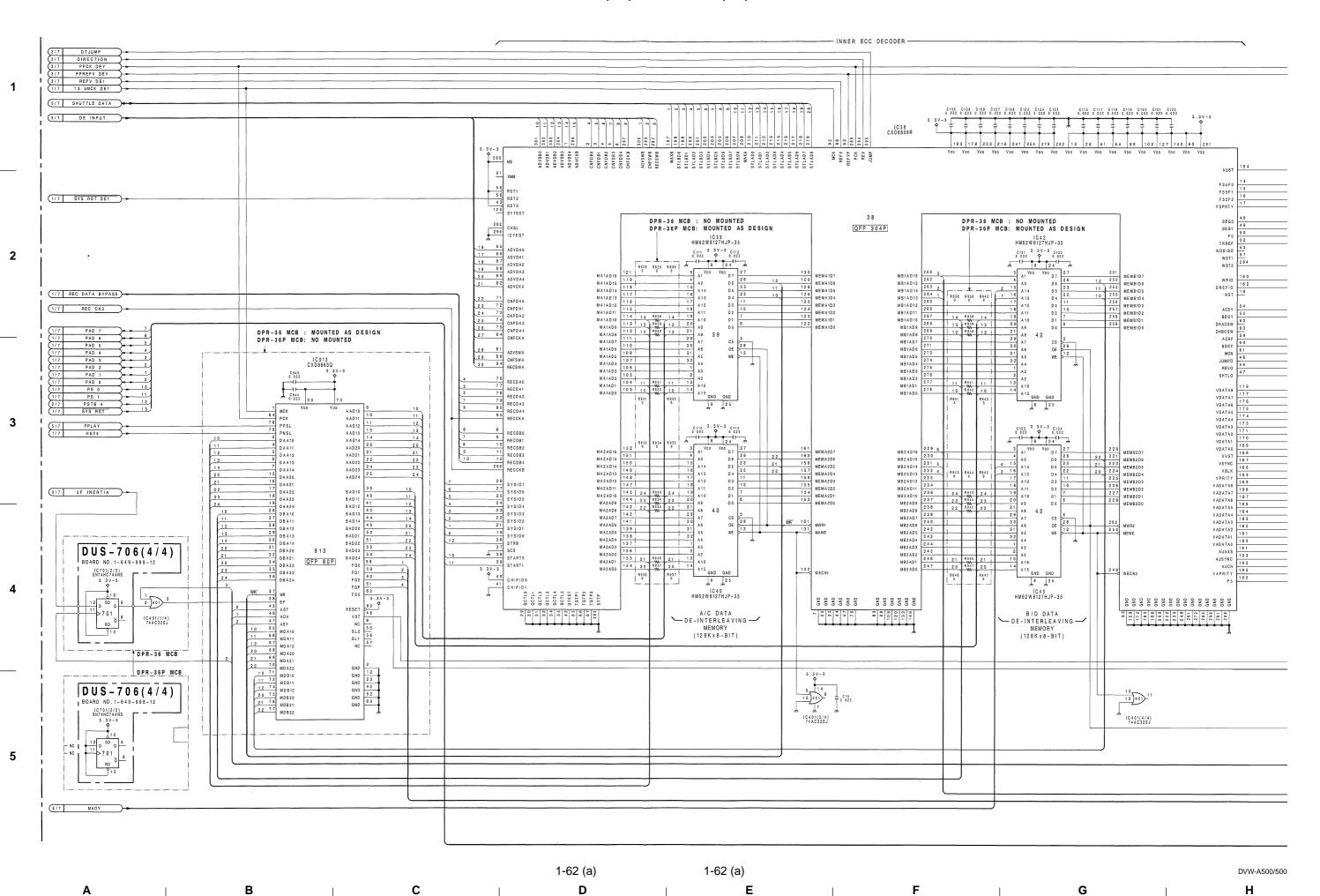


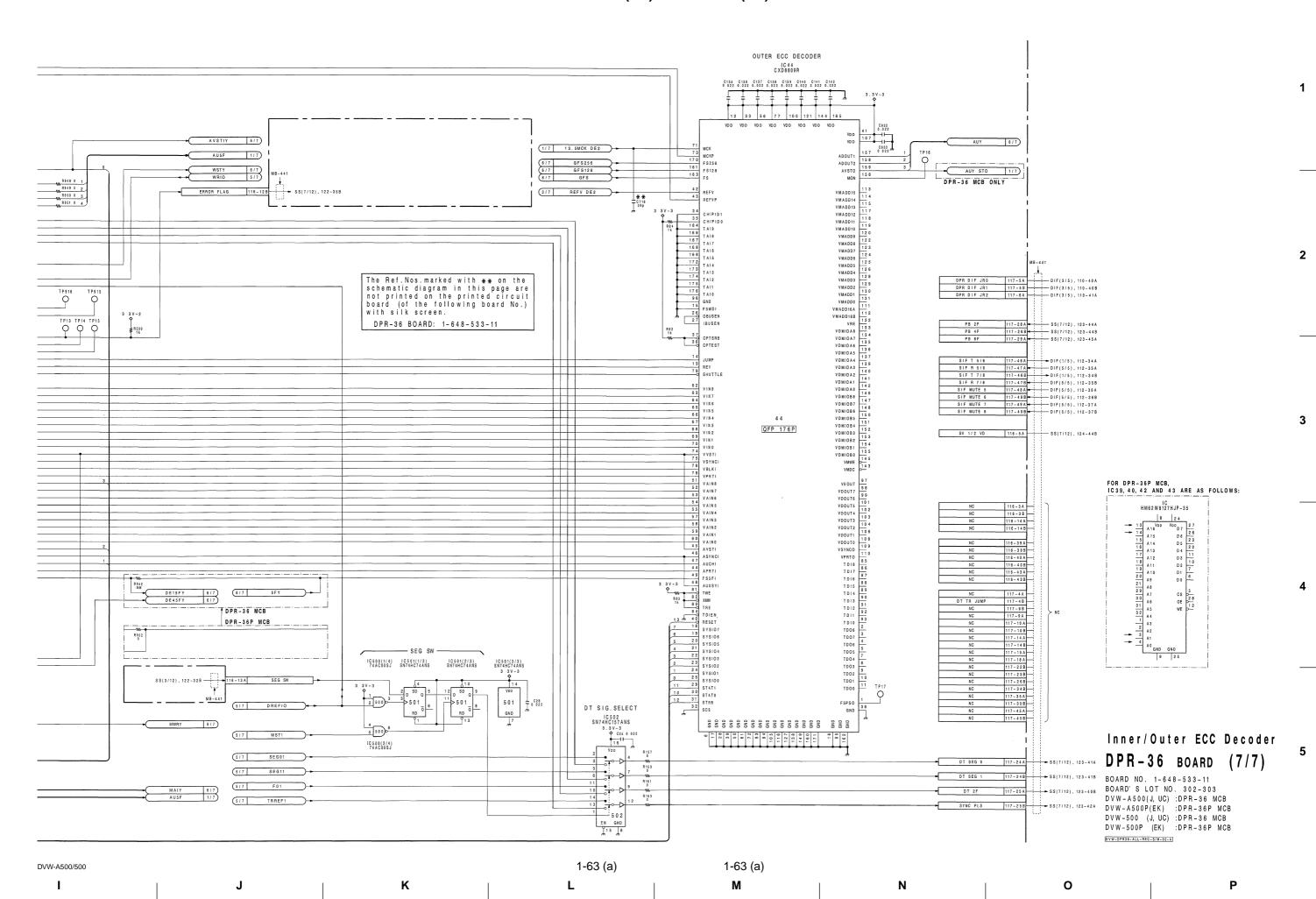
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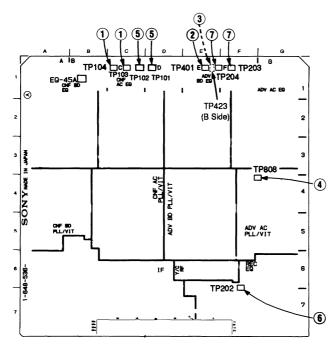
Ν



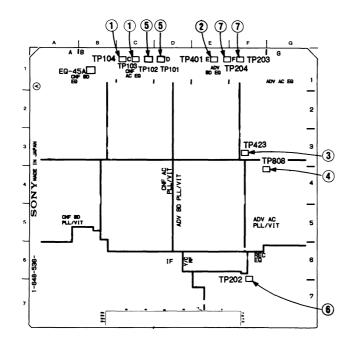


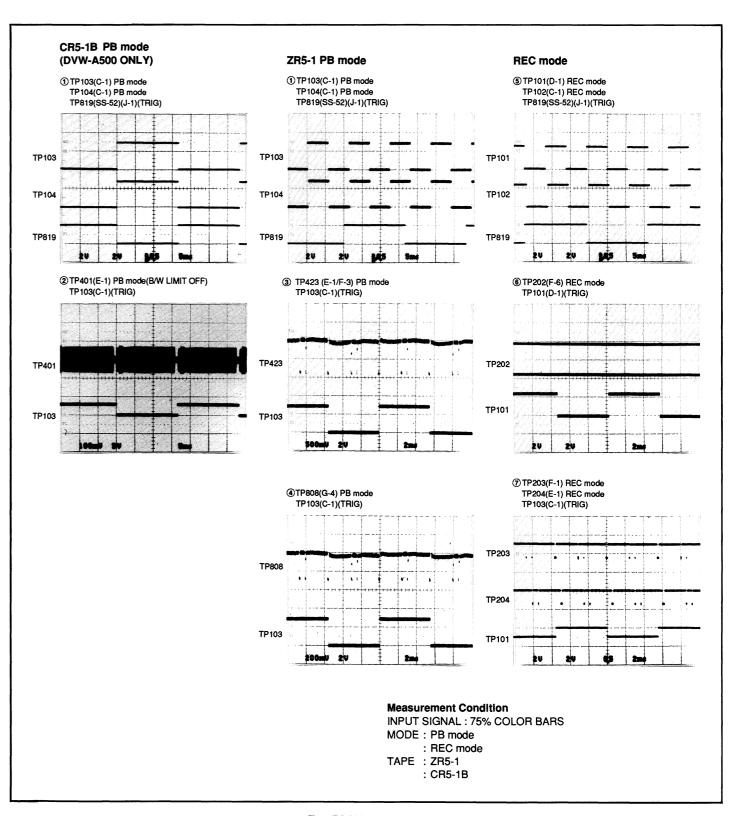
EQ-45A/45

EQ-45 Board -A Side- (1-648-536-13/23)

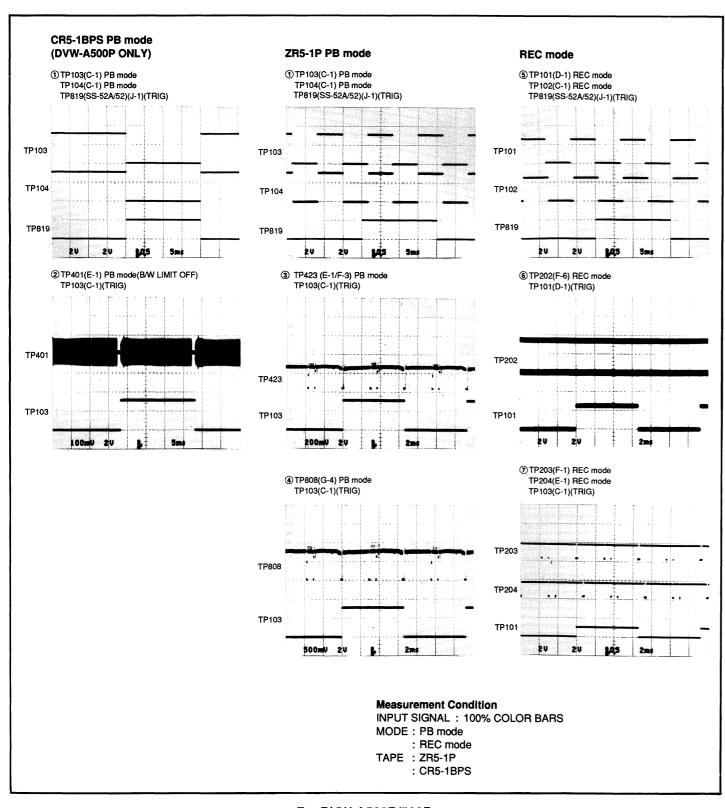


EQ-45 Board -A Side- (1-648-536-11, 12/22)





For DVW-A500/500



For DVW-A500P/500P

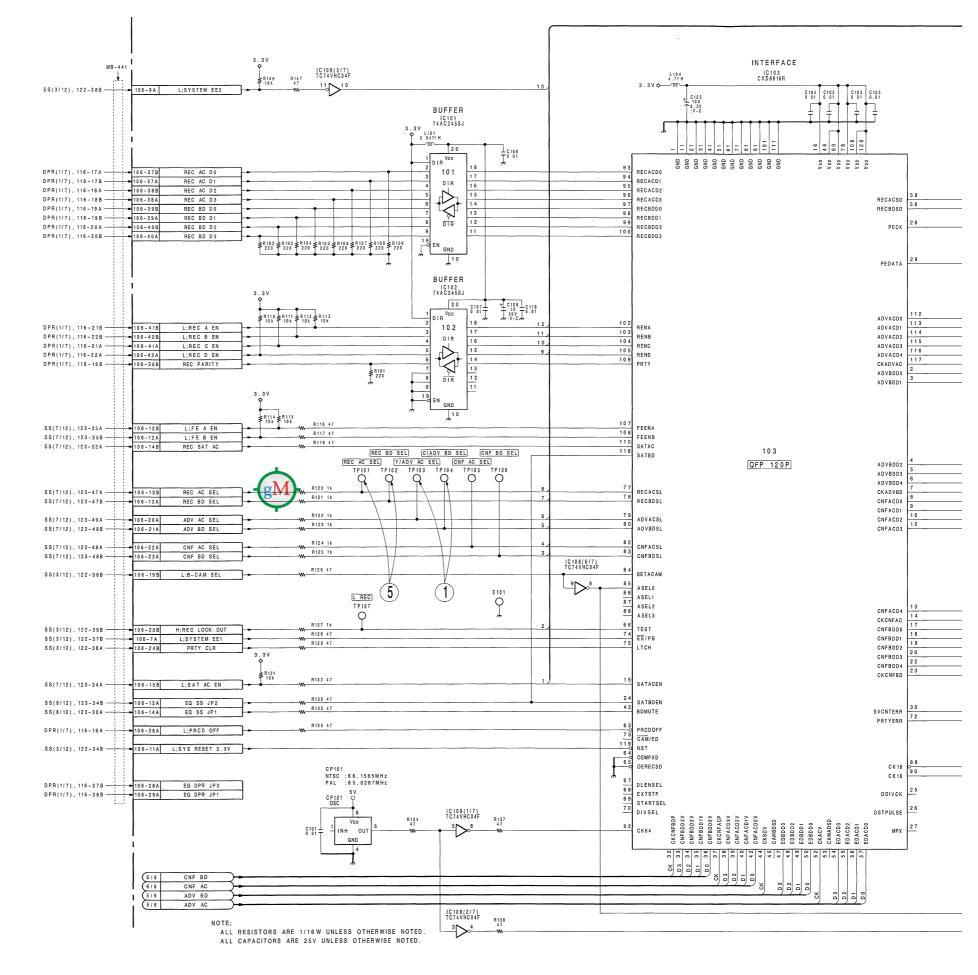
DVW-A500/500 1-67 1-67

2

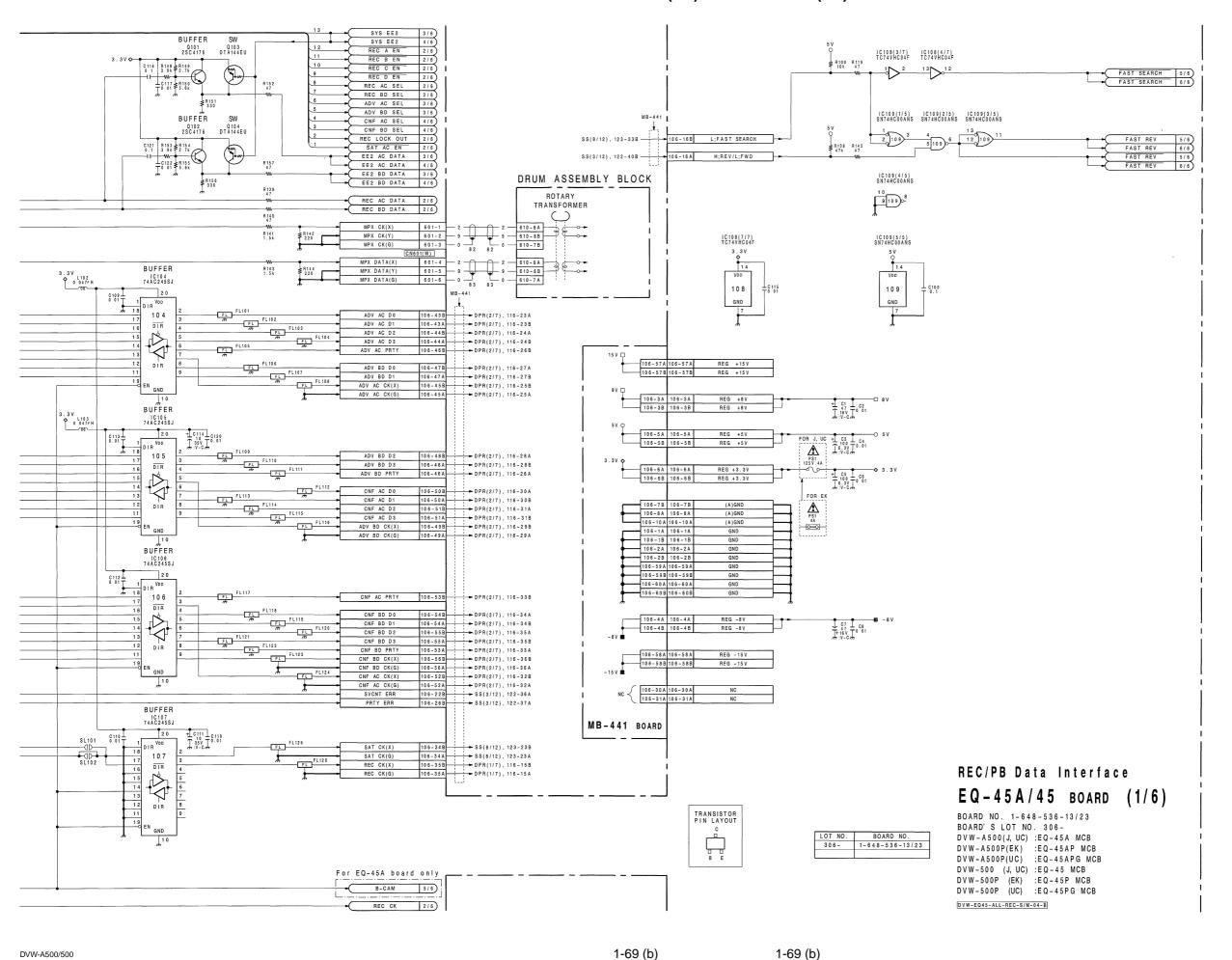
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В



1-68 (b) 1-68 (b) DVW-A500/500 F G H



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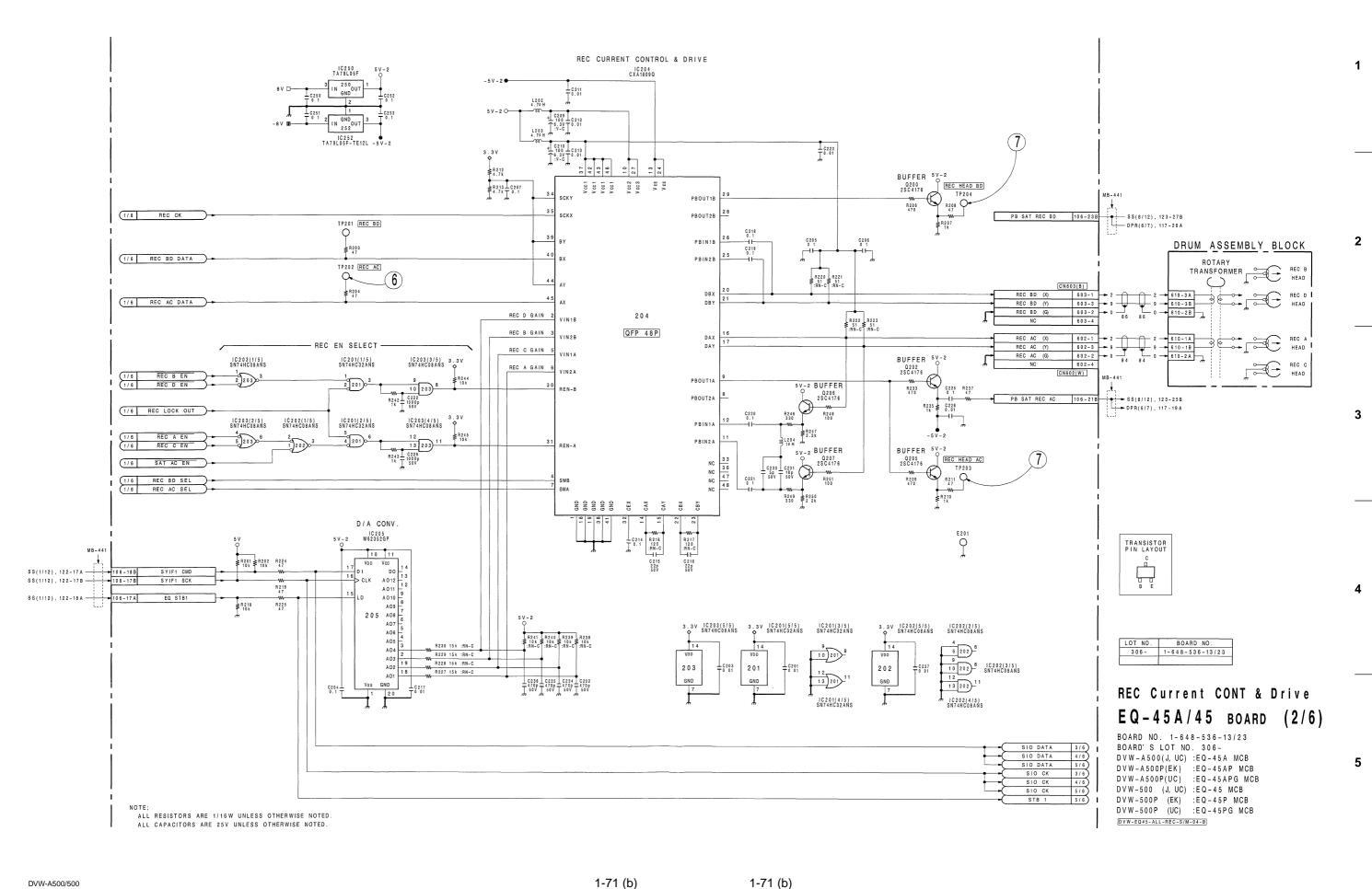
3

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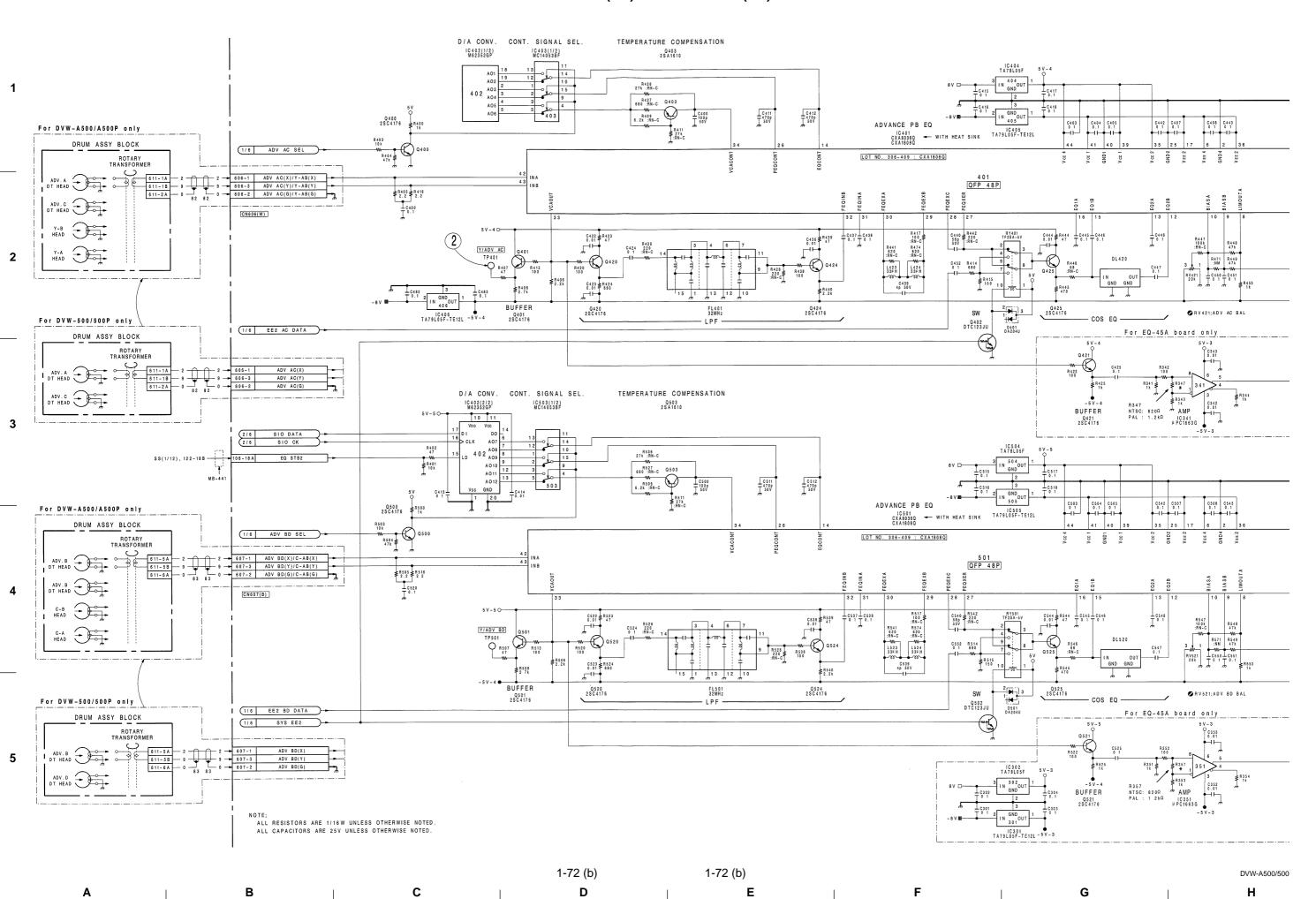
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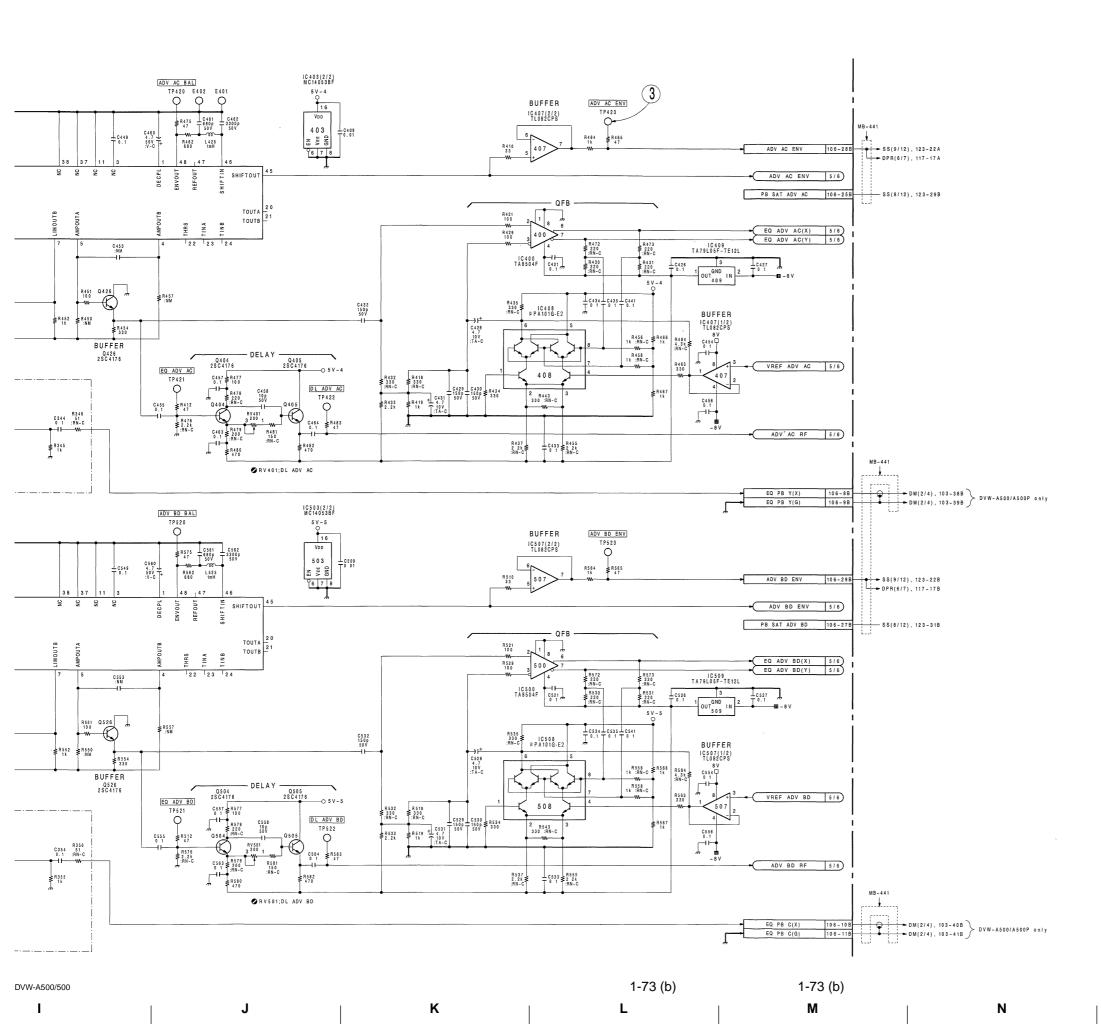
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A | B | C | D | E | F | G | H









LOT NO.	BOARD NO.
306-	1-648-536-13/2

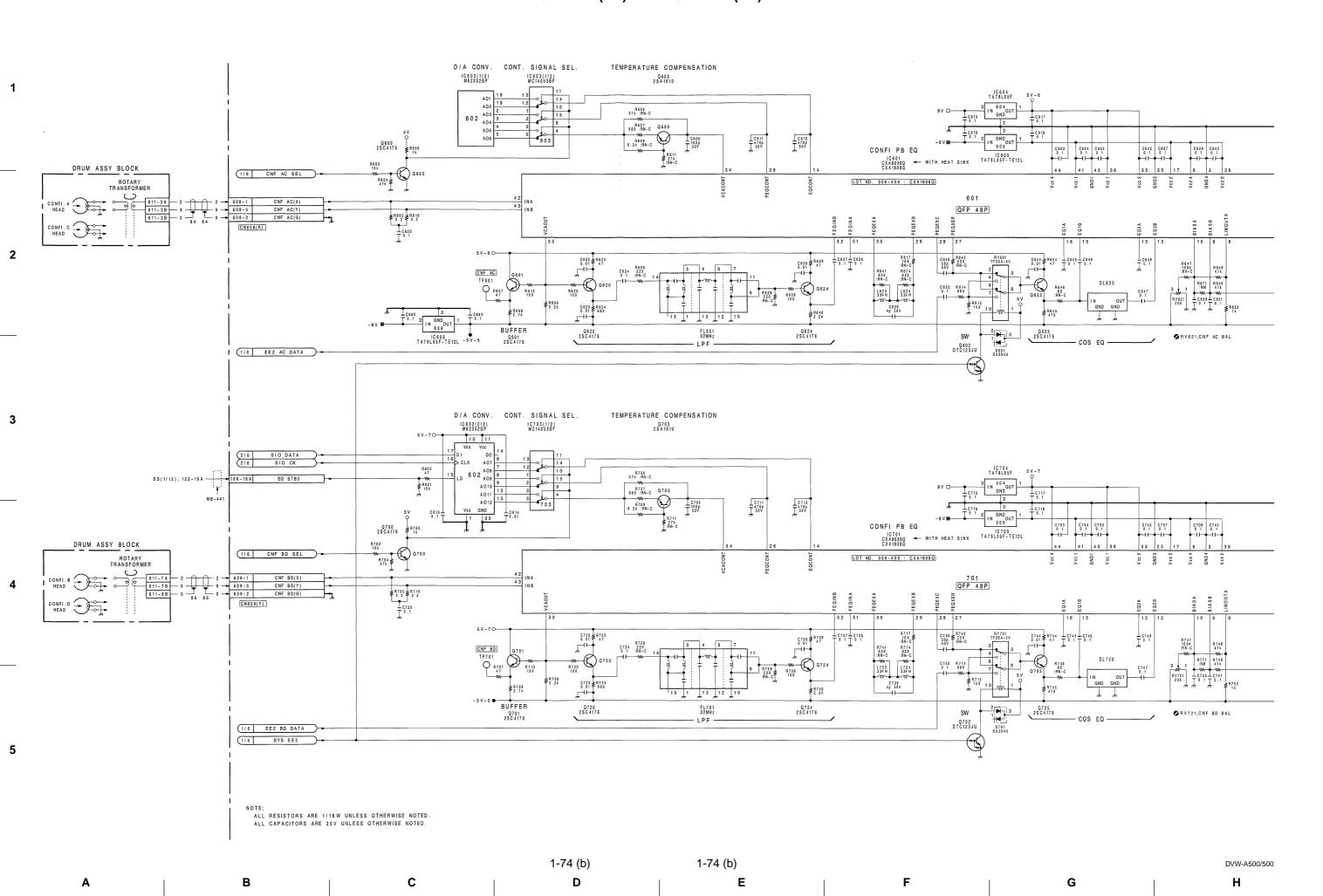
Advanced PB EQ EQ-45A/45 BOARD (3/6)

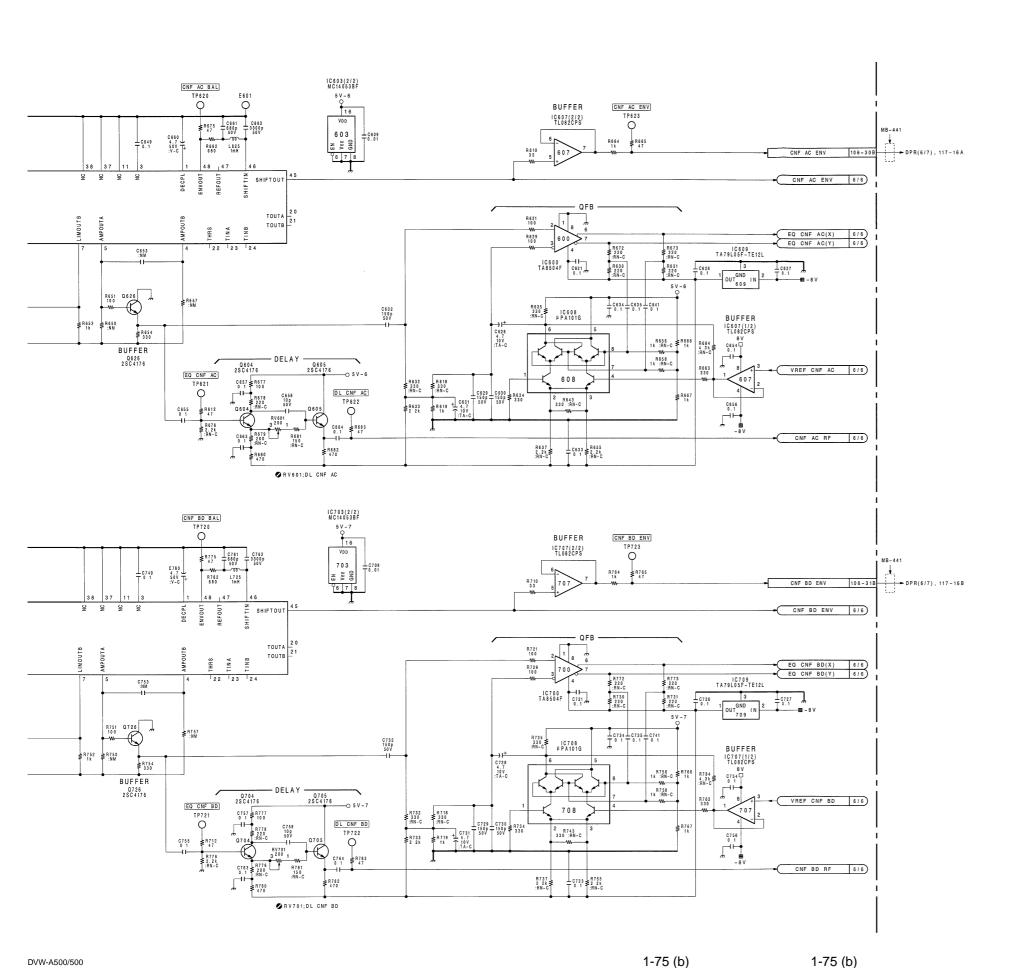
BOARD NO. 1-648-539-13/23
BOARD'S LOT NO. 306DVW-A500(J, UC) :EQ-45A MCB
DVW-A500P(EK) :EQ-45AP MCB
DVW-A500P(UC) :EQ-45APG MCB
DVW-500 (J, UC) :EQ-45 MCB
DVW-500P (EK) :EQ-45P MCB
DVW-500P (UC) :EQ-45P MCB

DVW-EQ45-ALL-REC-S/M-04-B

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LOT NO.	BOARD NO.
306-	1-648-536-13/

Confi PB EQ EQ-45A/45 BOARD (4/6)

BOARD NO. 1-648-536-13/23 BOARD S LOT NO. 306-DVW-A500(J, UC) : EQ-45A MCB DVW-A500P(EK) :EQ-45AP MCB DVW-A500P(UC) :EQ-45APG MCB DVW-500 (J, UC) :EQ-45 MCB DVW-500P (EK) :EQ-45P MCB DVW-500P (UC) :EQ-45PG MCB

DVW-EQ45-ALL-REC-S/M-04-B

Κ

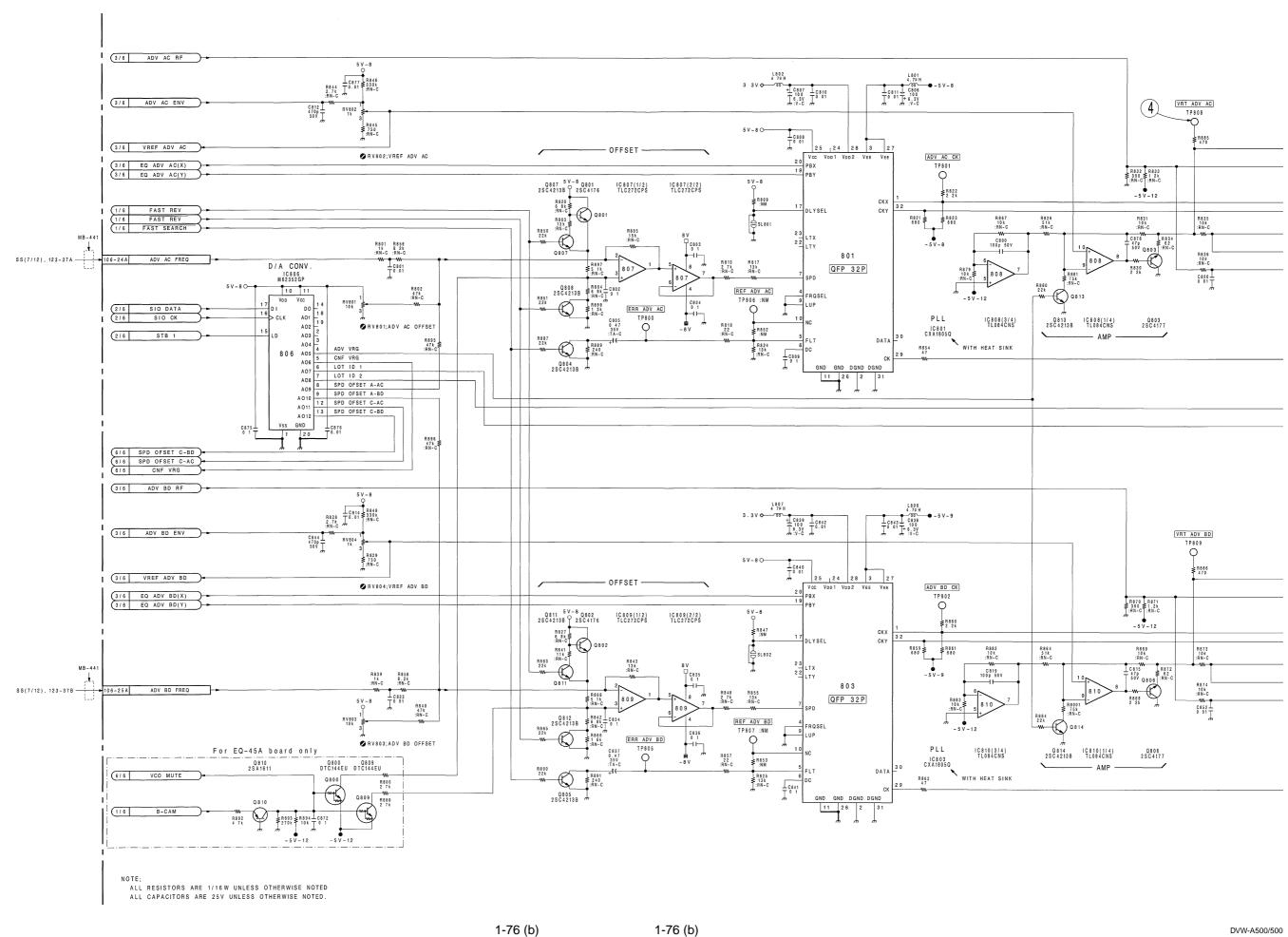
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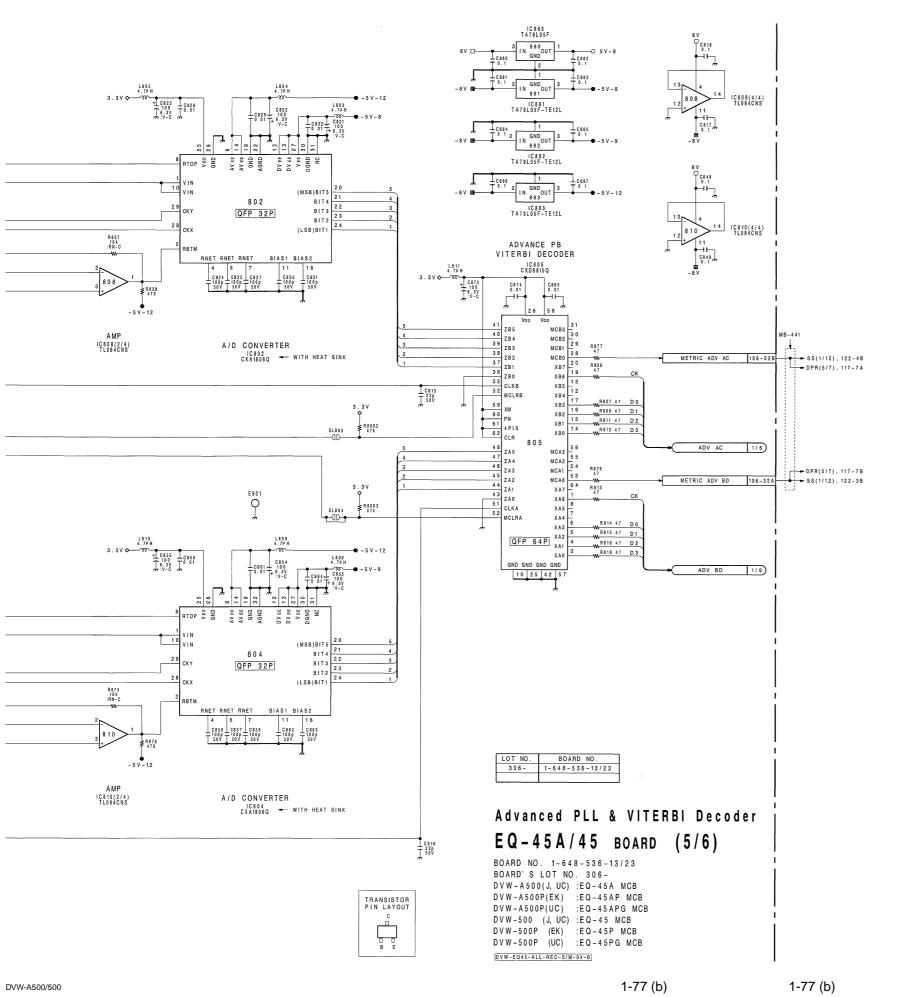
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A B C D E F G H



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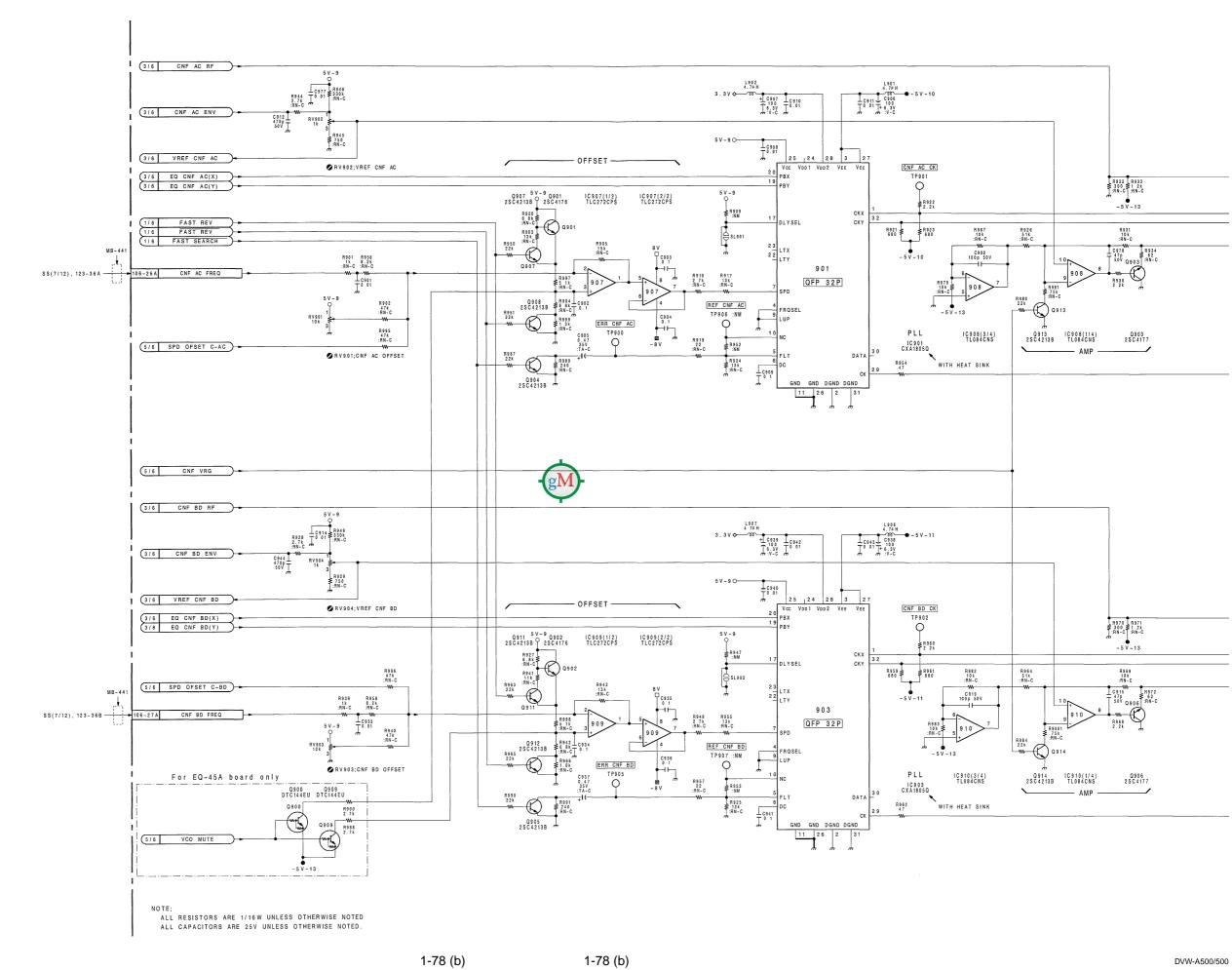
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| J | K |

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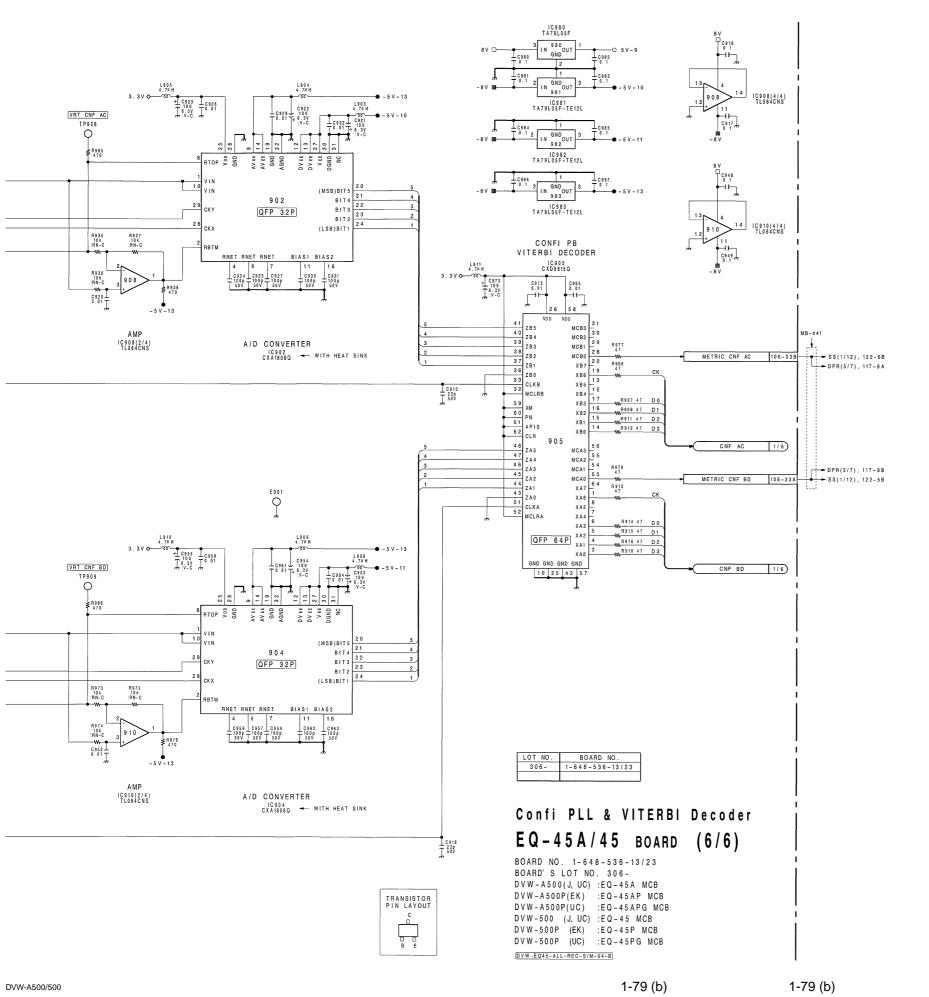
D

В С

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J K

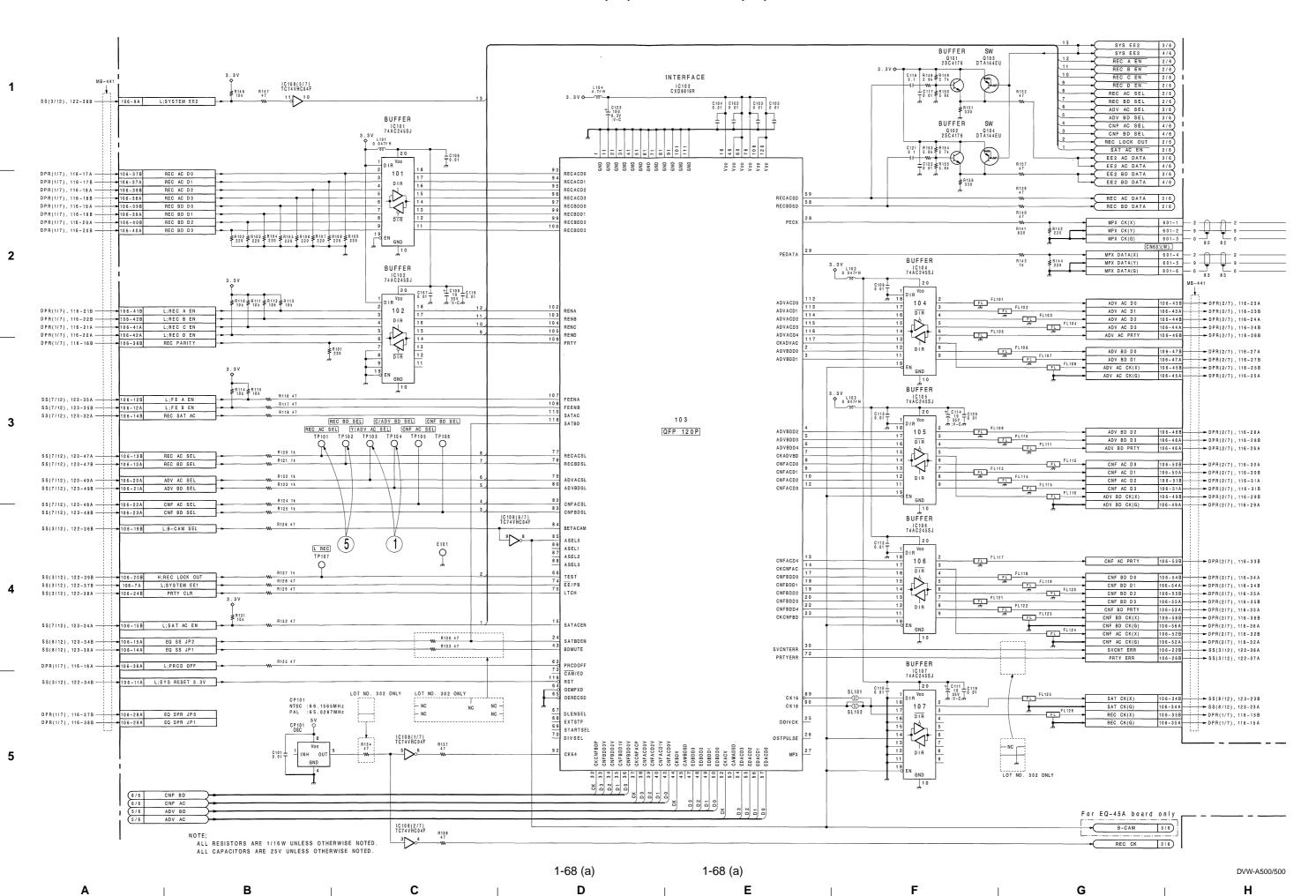
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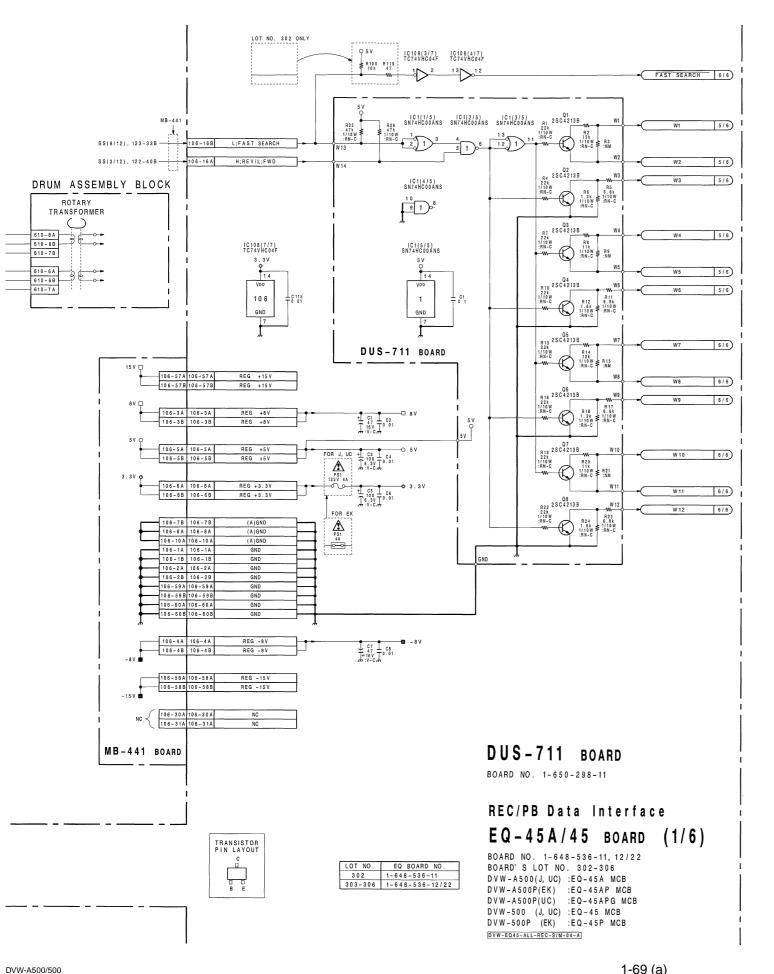
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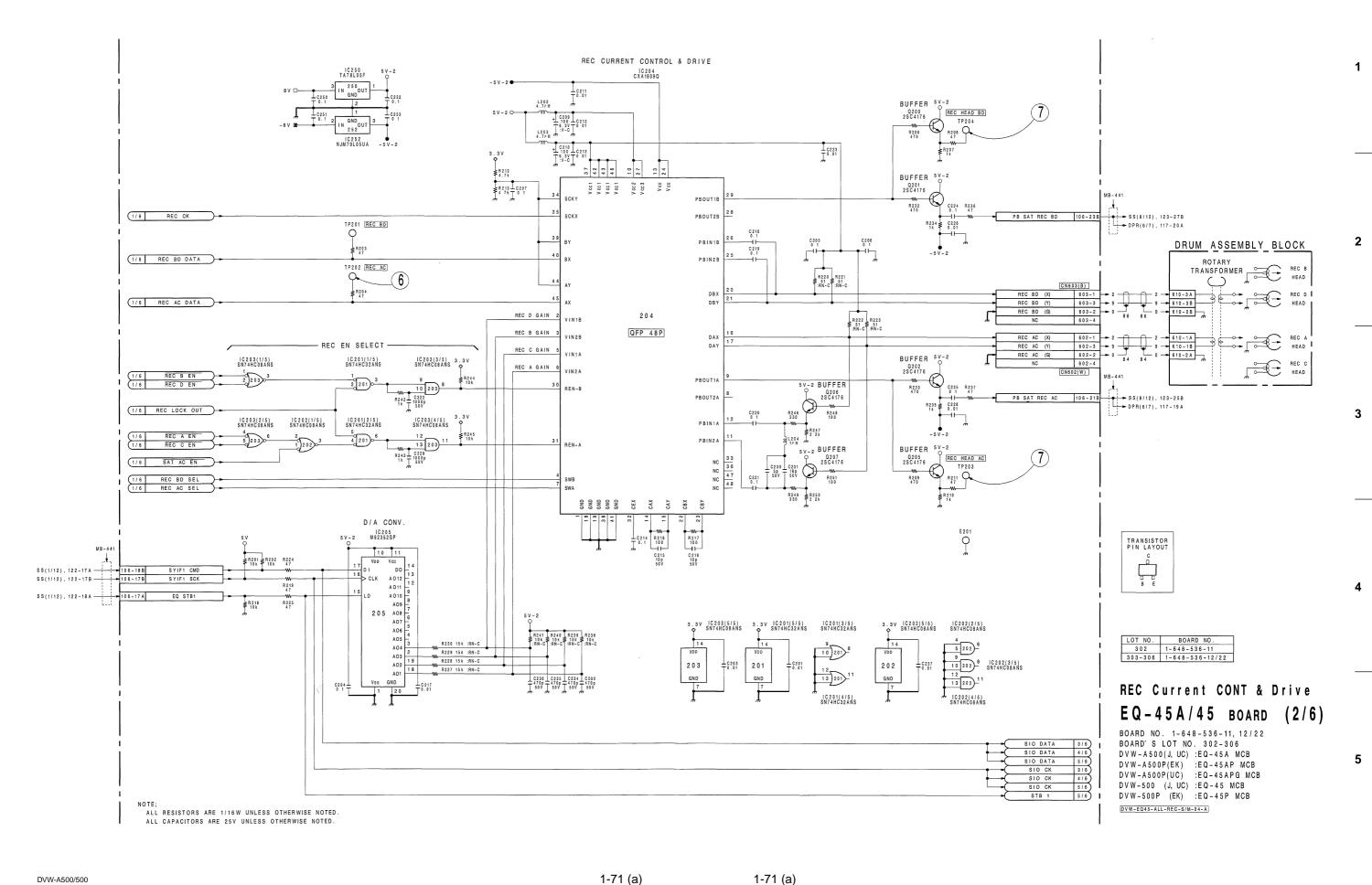


1-69 (a) 1-69 (a)

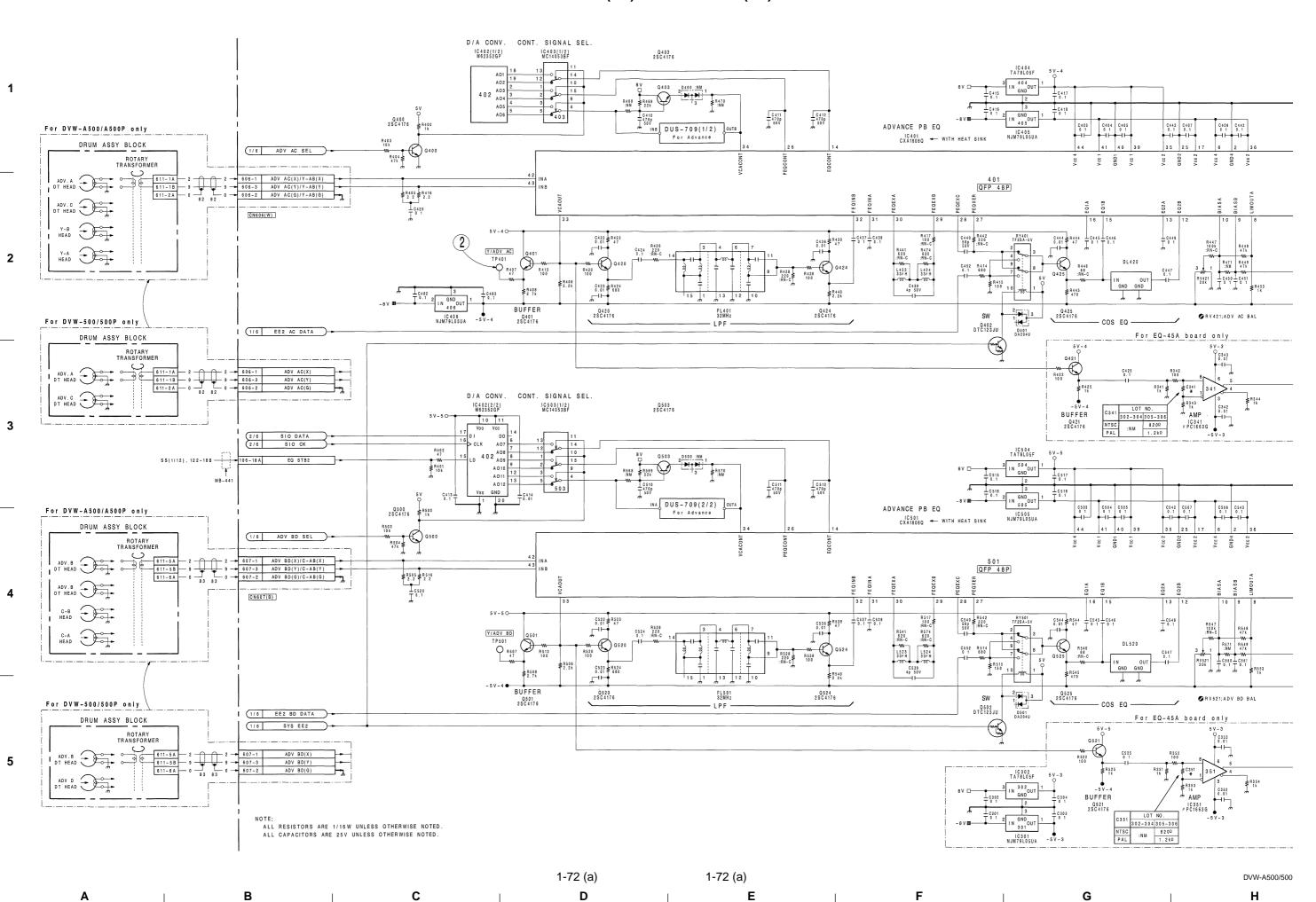
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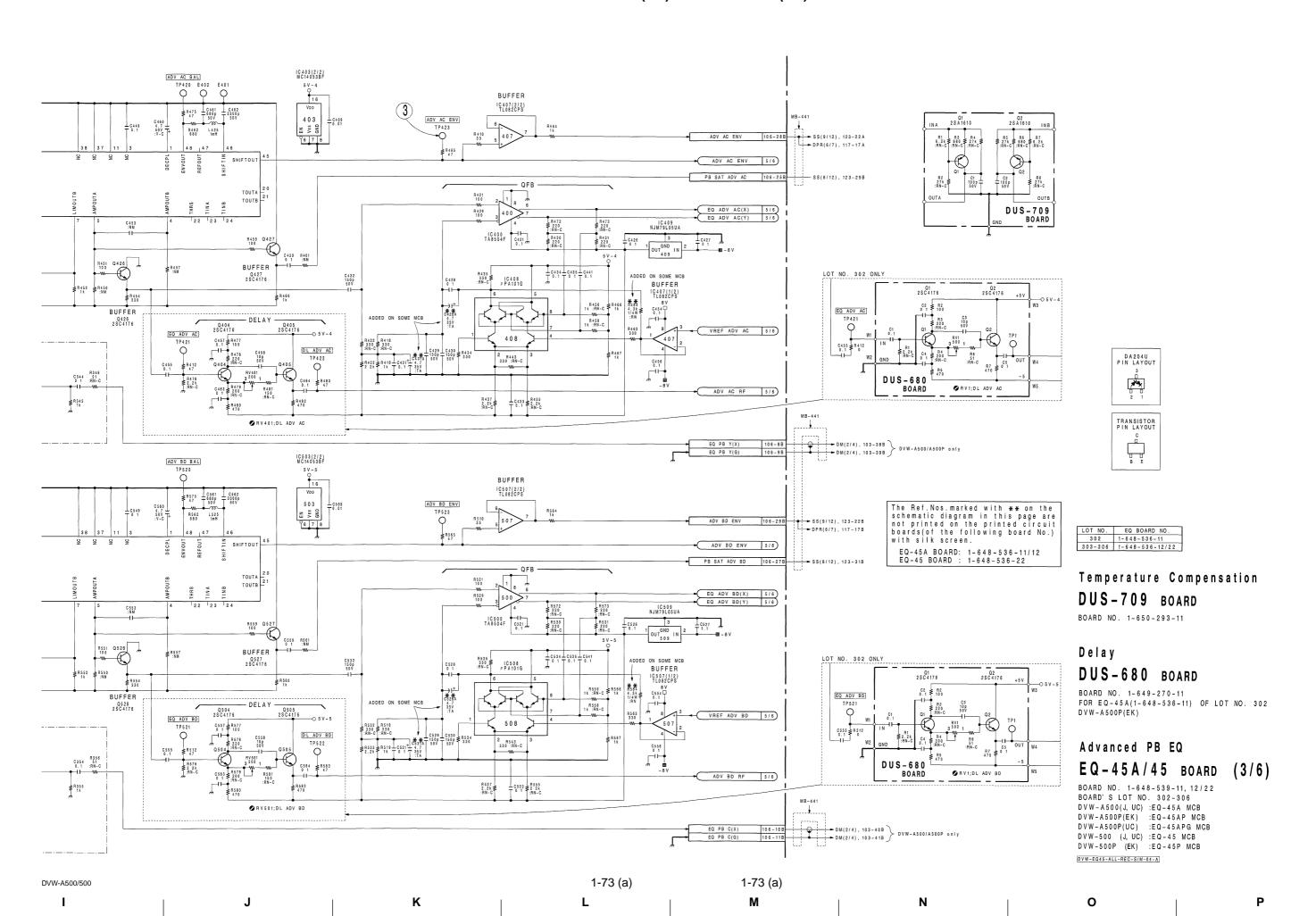
M

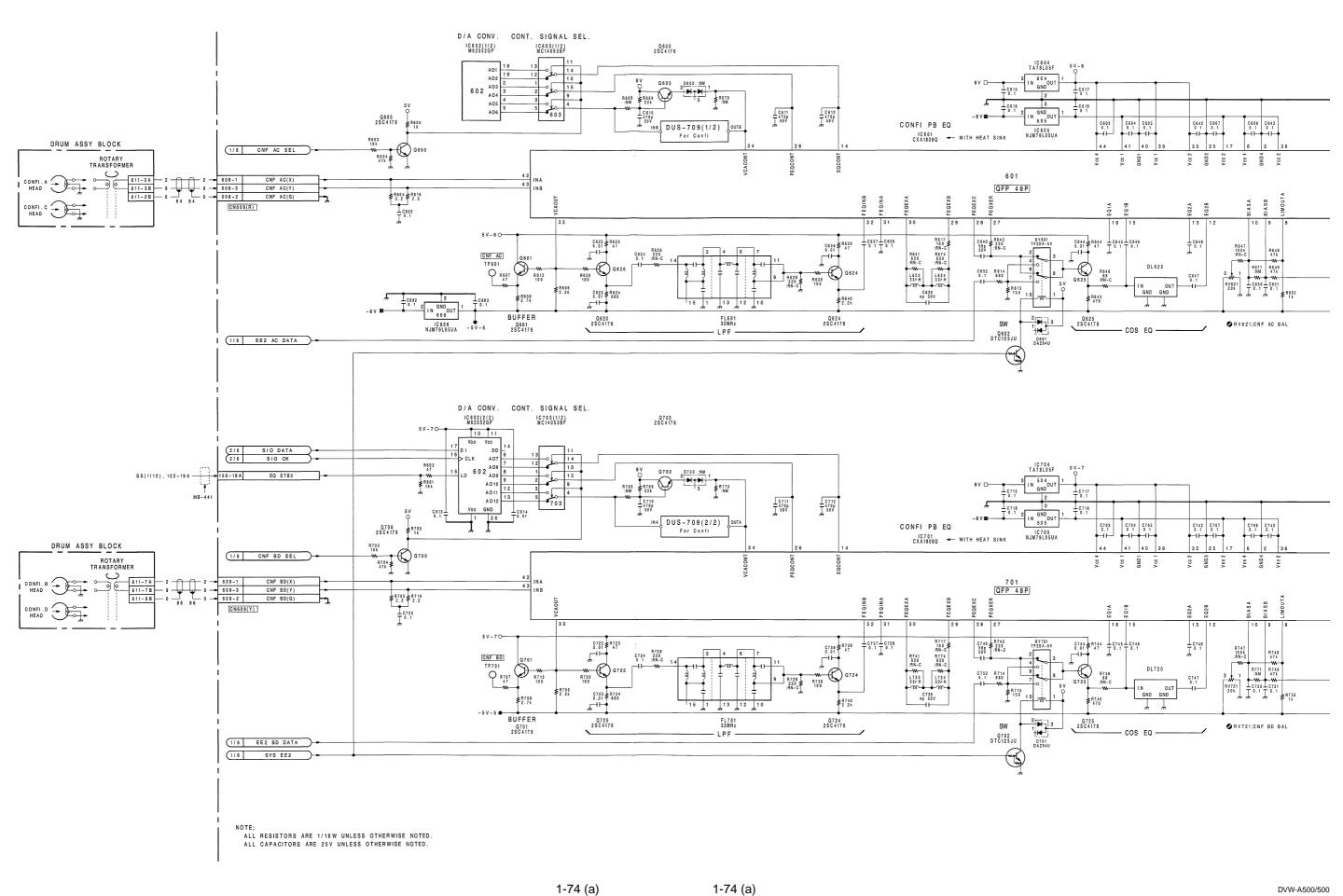
Ν



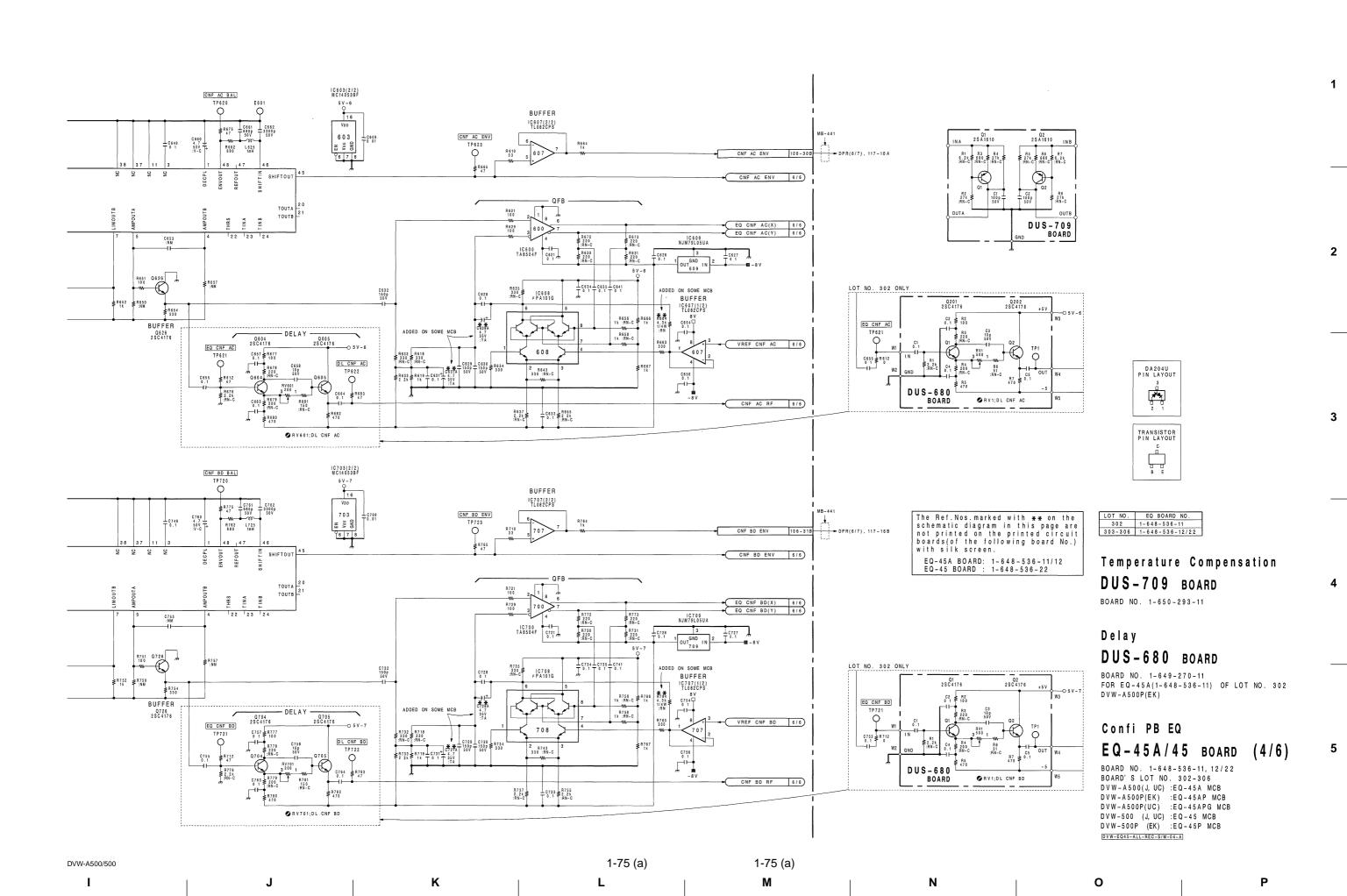
A | B | C | D | E | F | G | H







B C D E F G H



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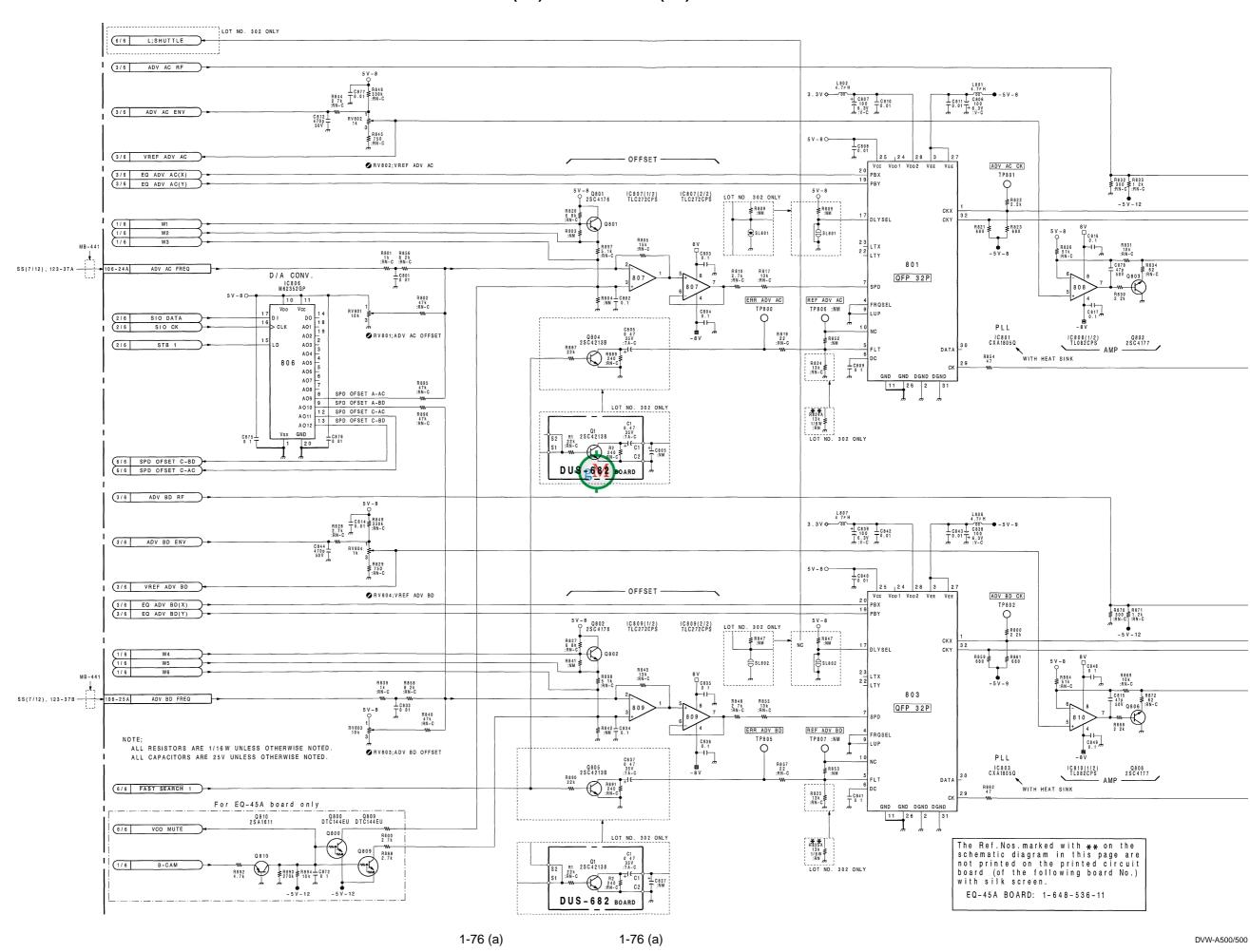
3

5

В

С

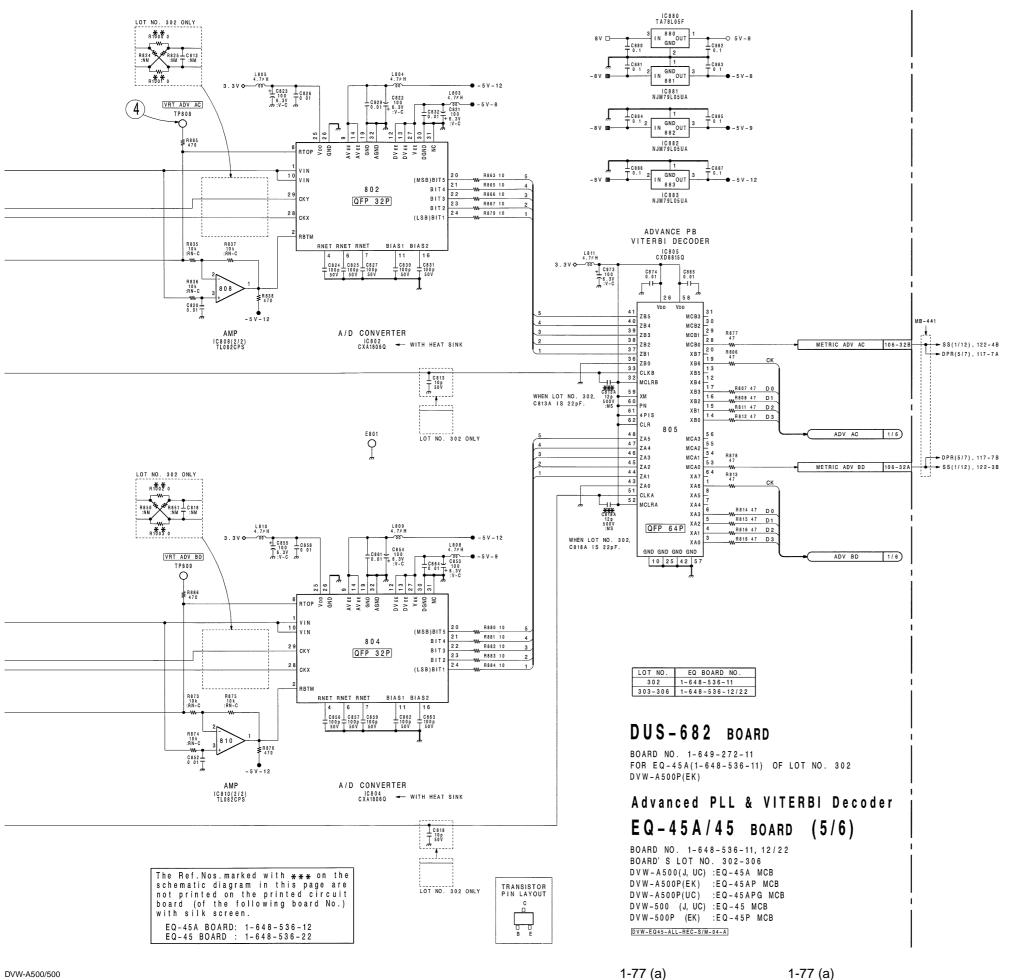
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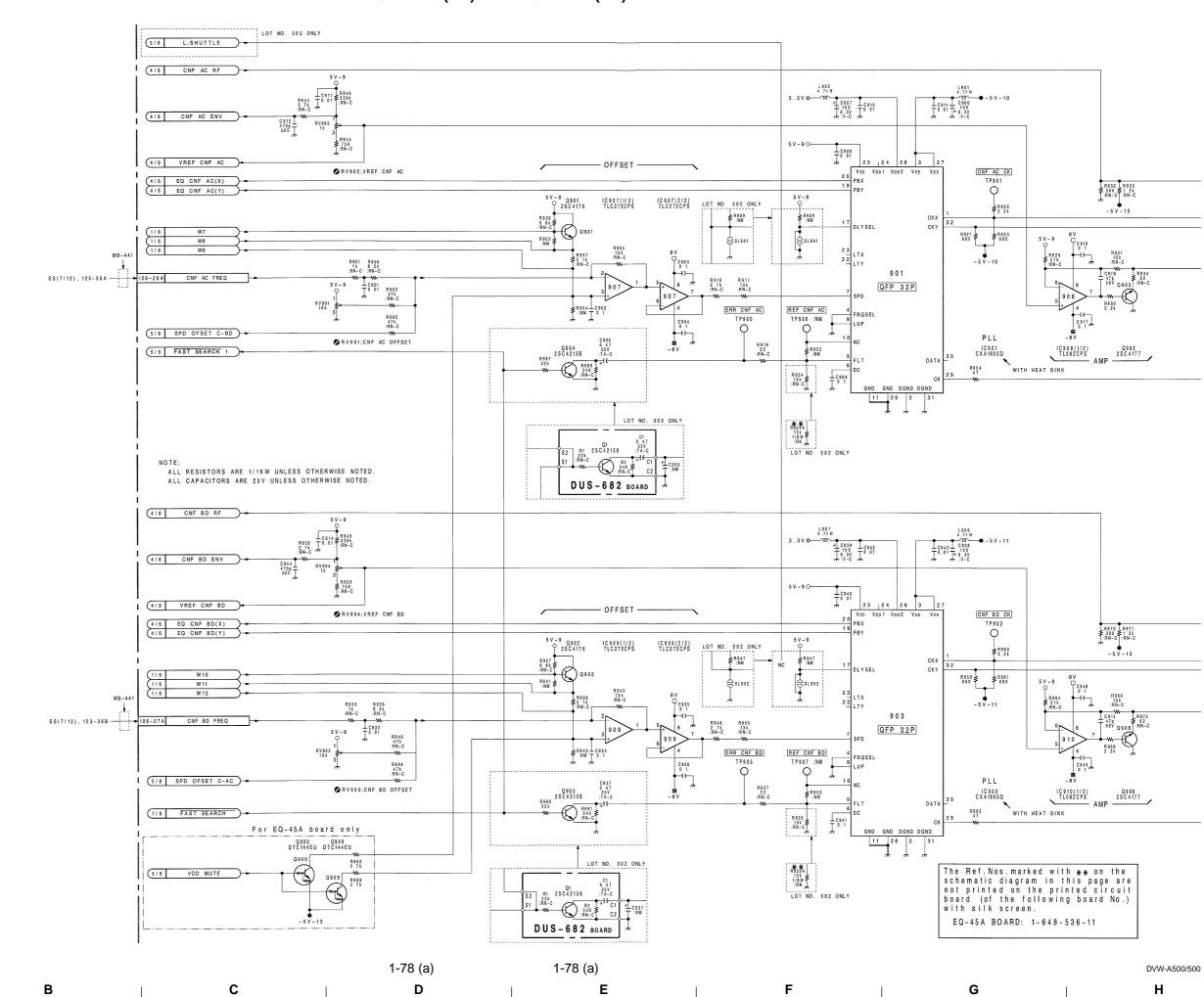


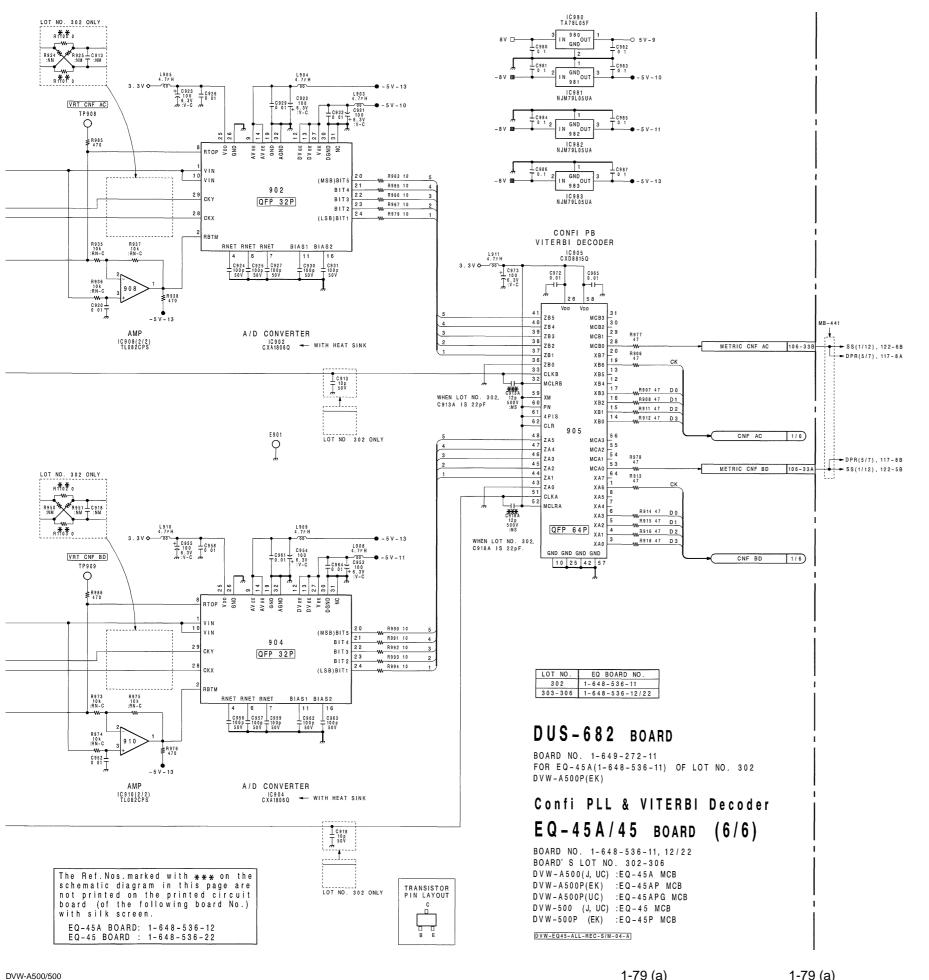
1-77 (a)

Κ

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Ν

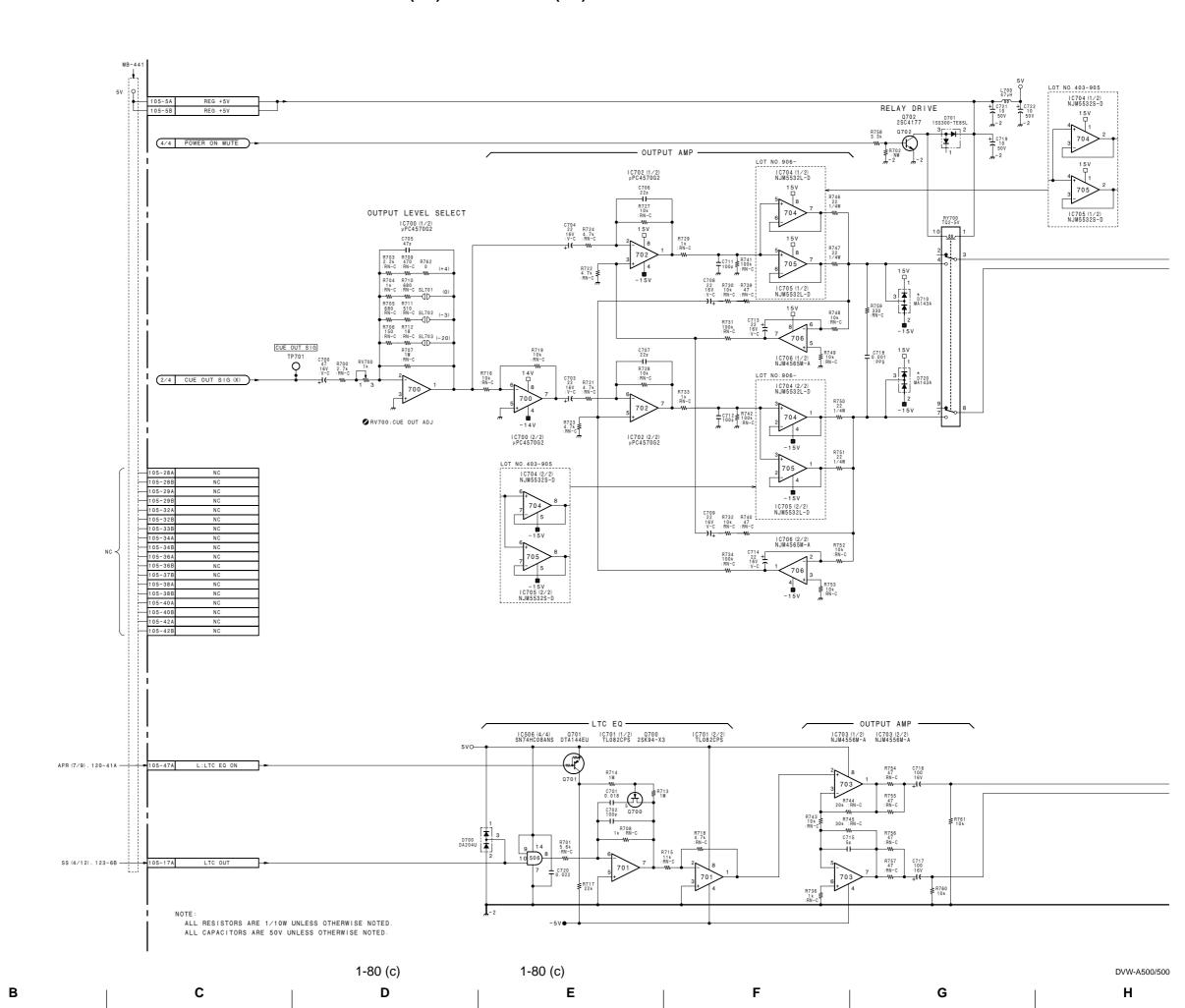


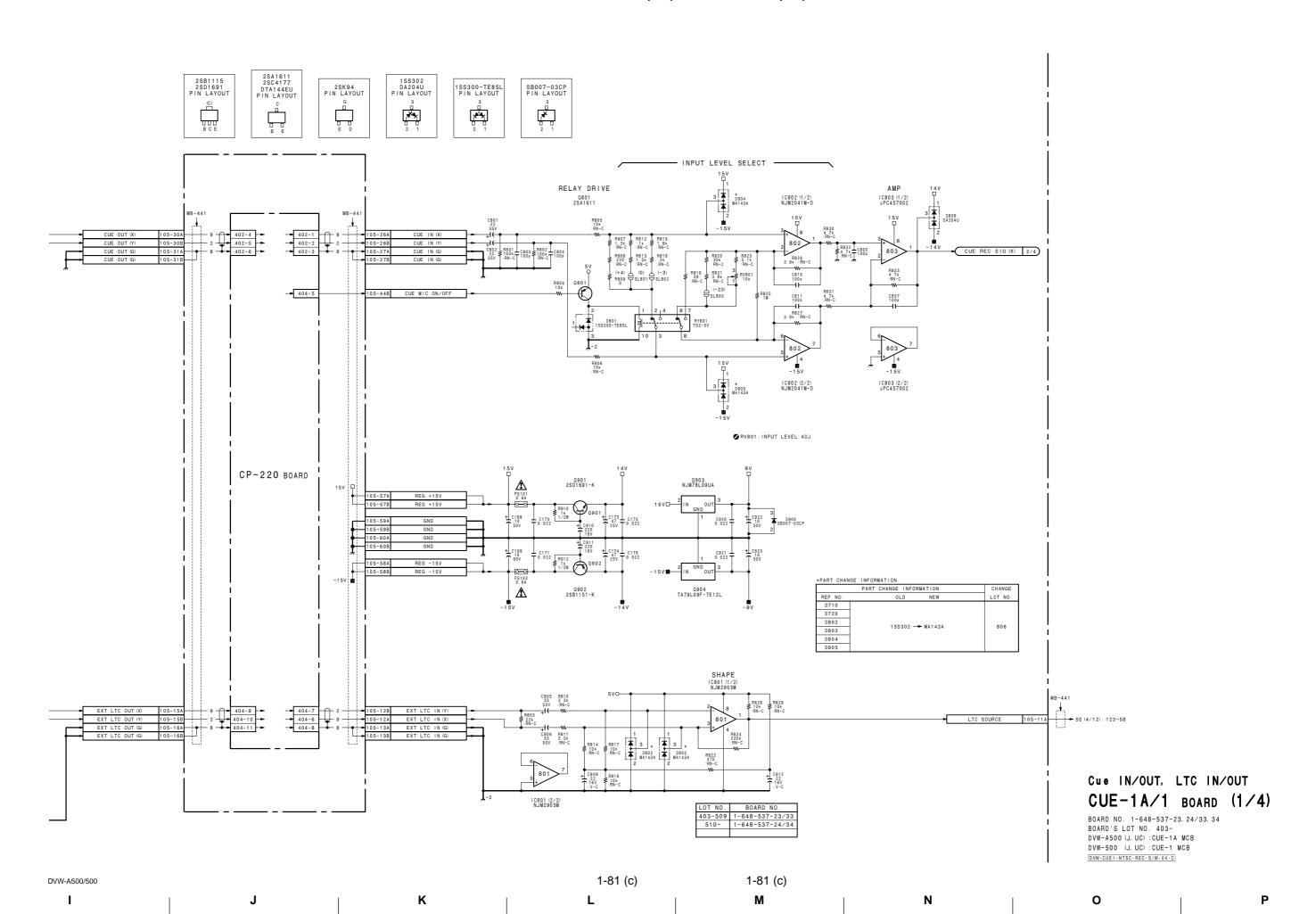


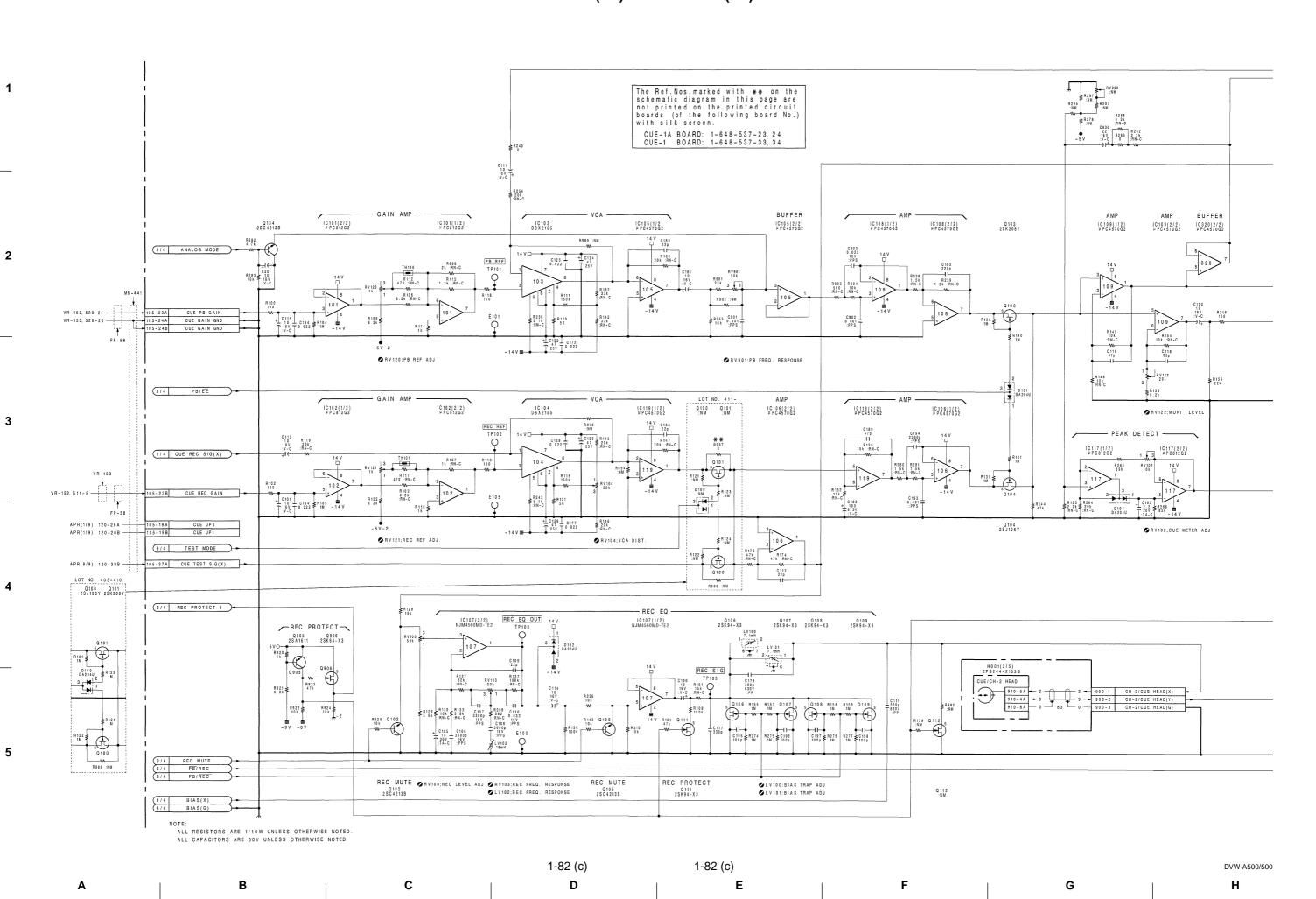
1-79 (a) 1-79 (a)

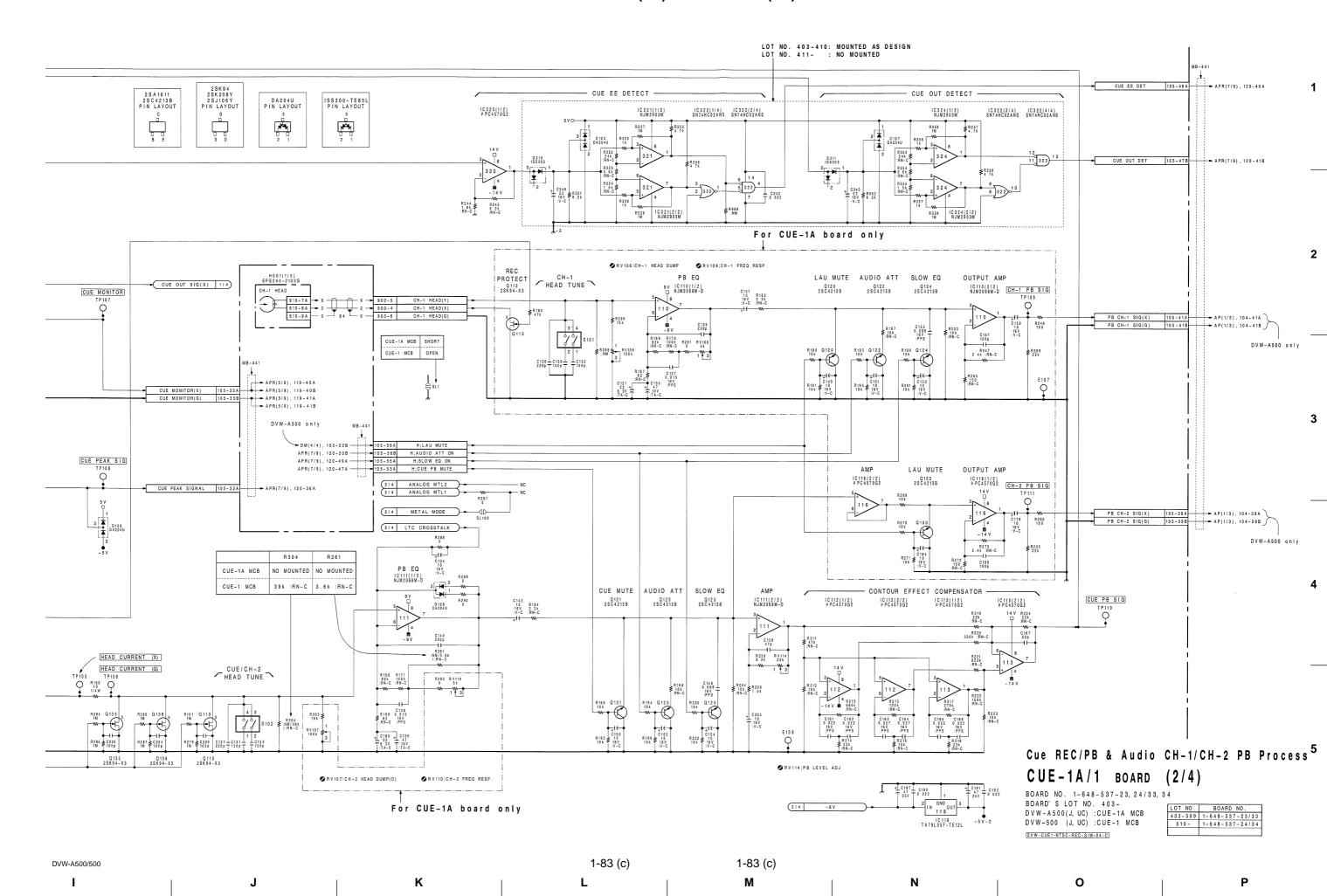
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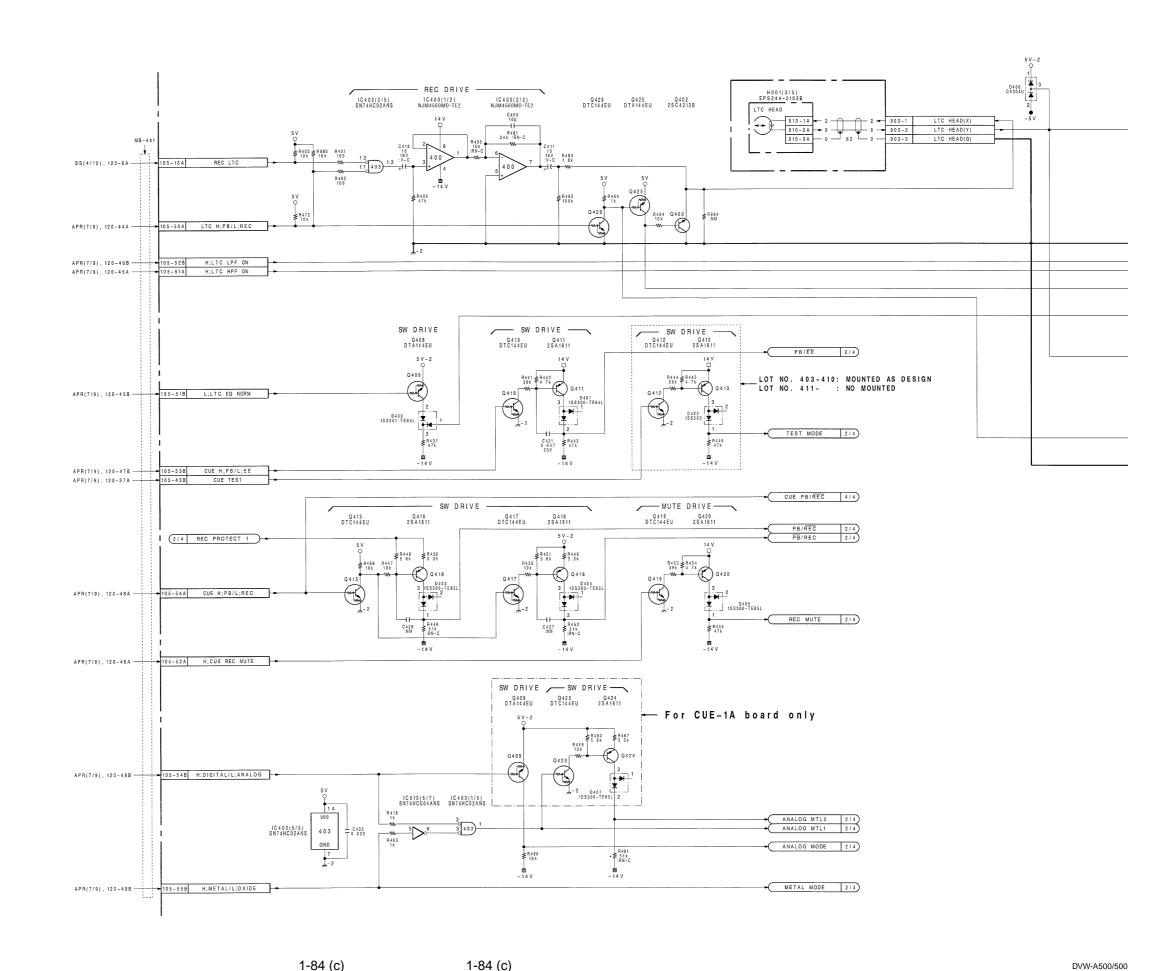






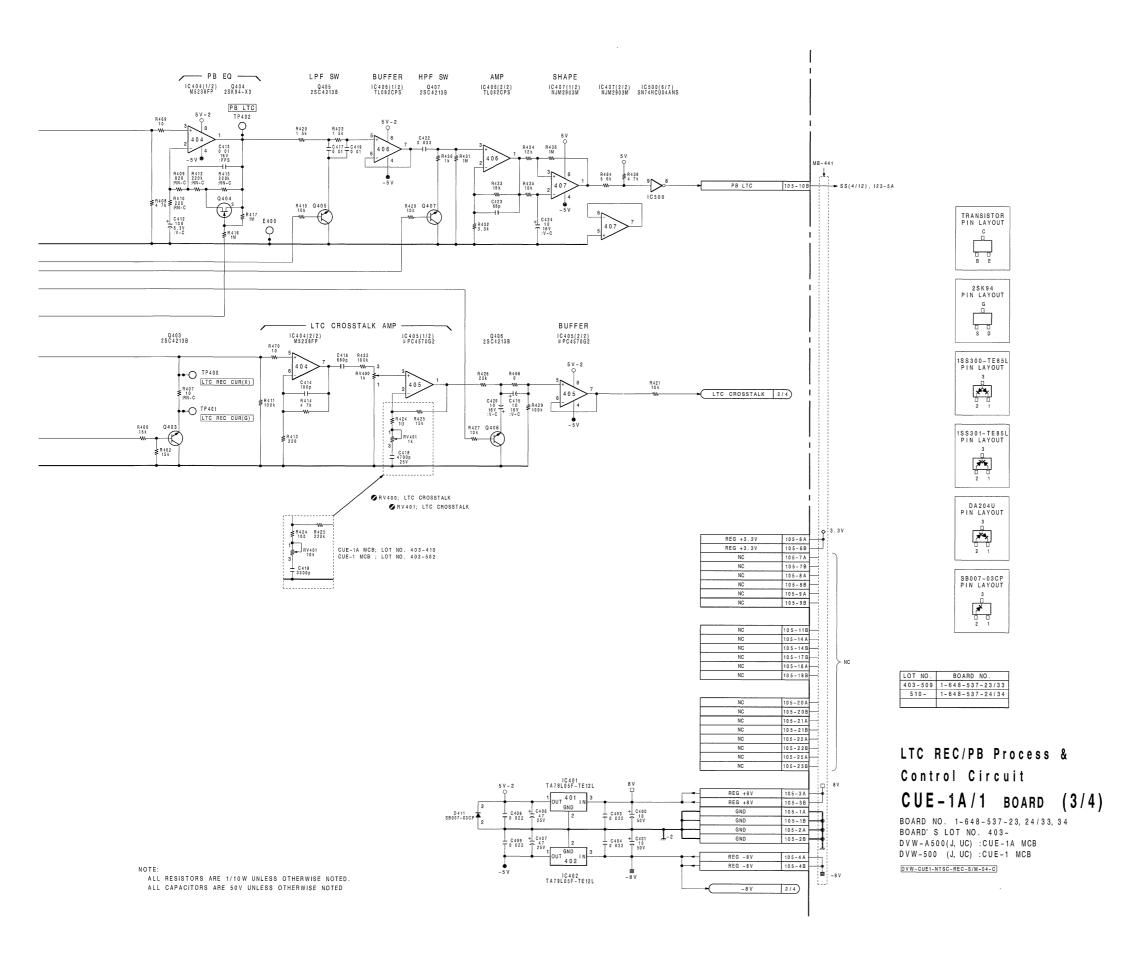
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1-84 (c) 1-84 (c)

A B C D E F G H



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1-85 (c) 1-85 (c)

I

DVW-A500/500

J

K

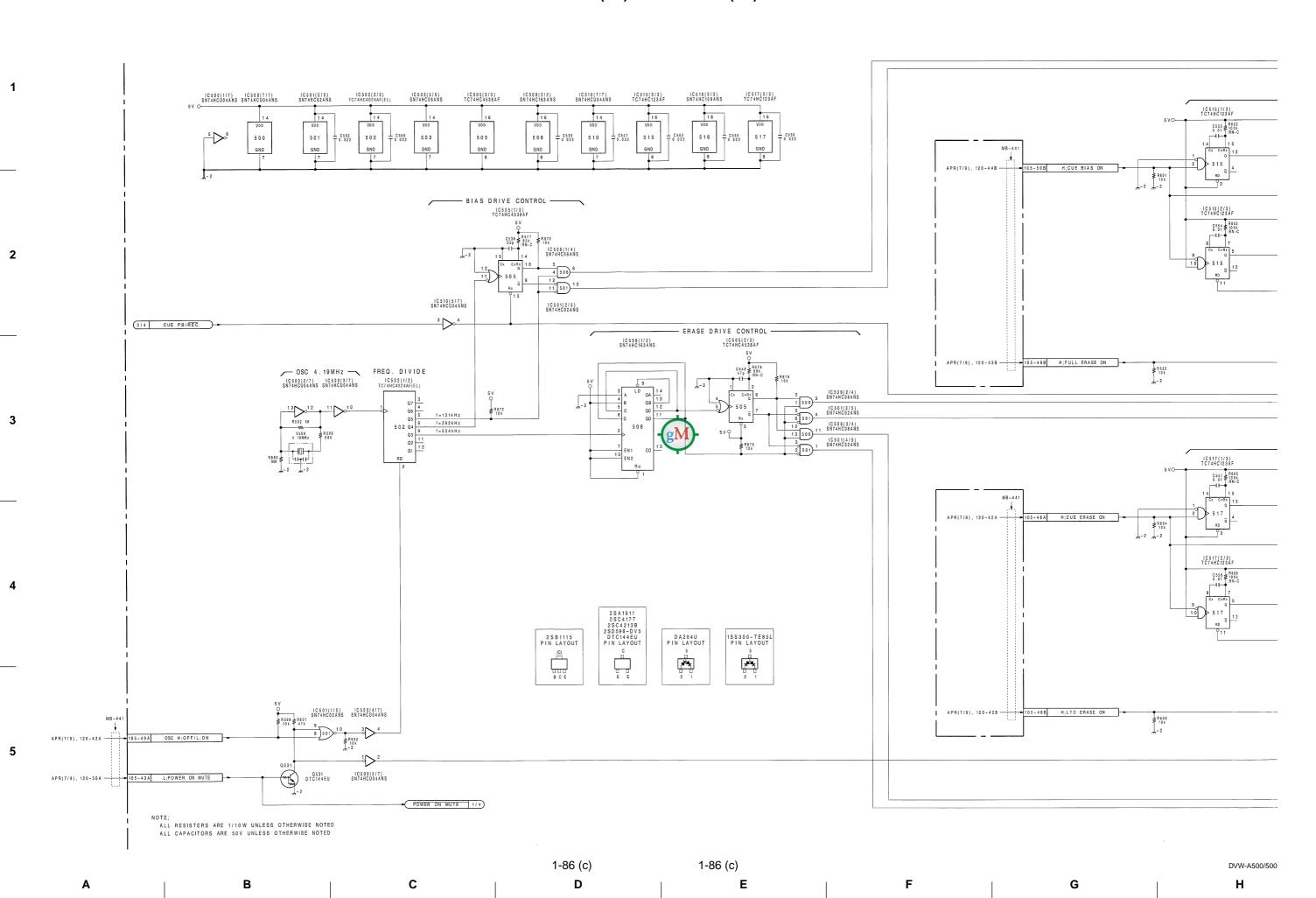
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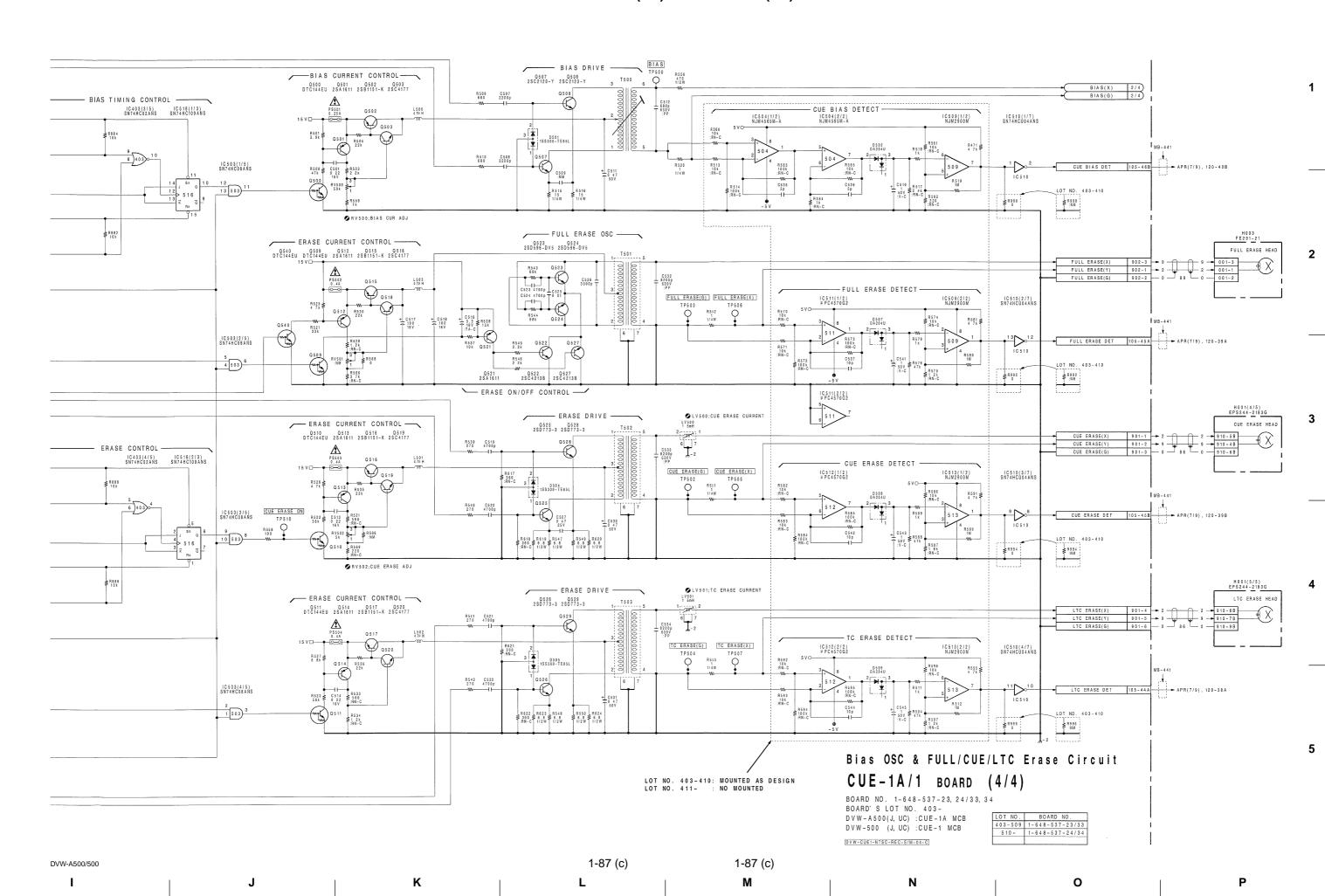
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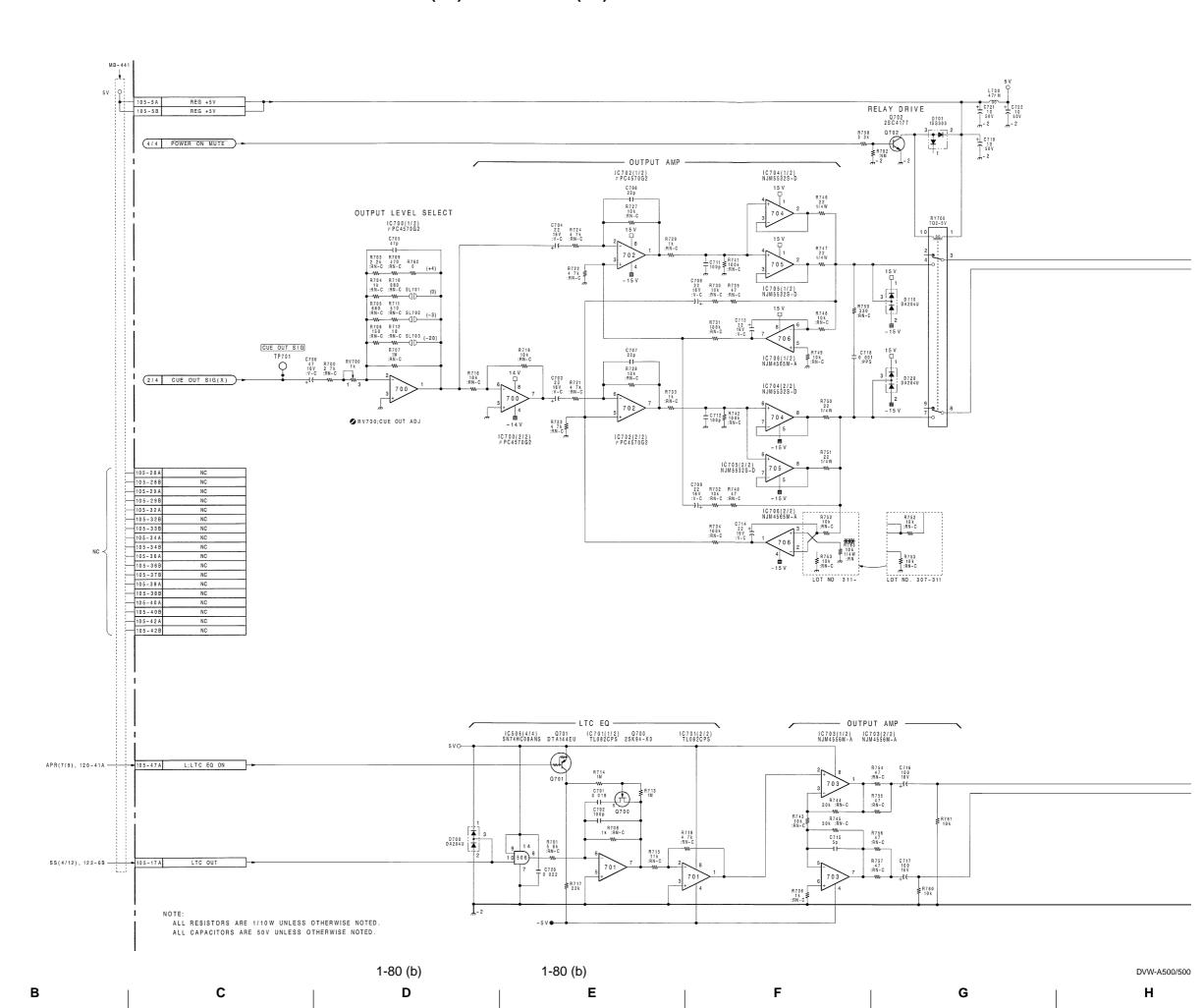
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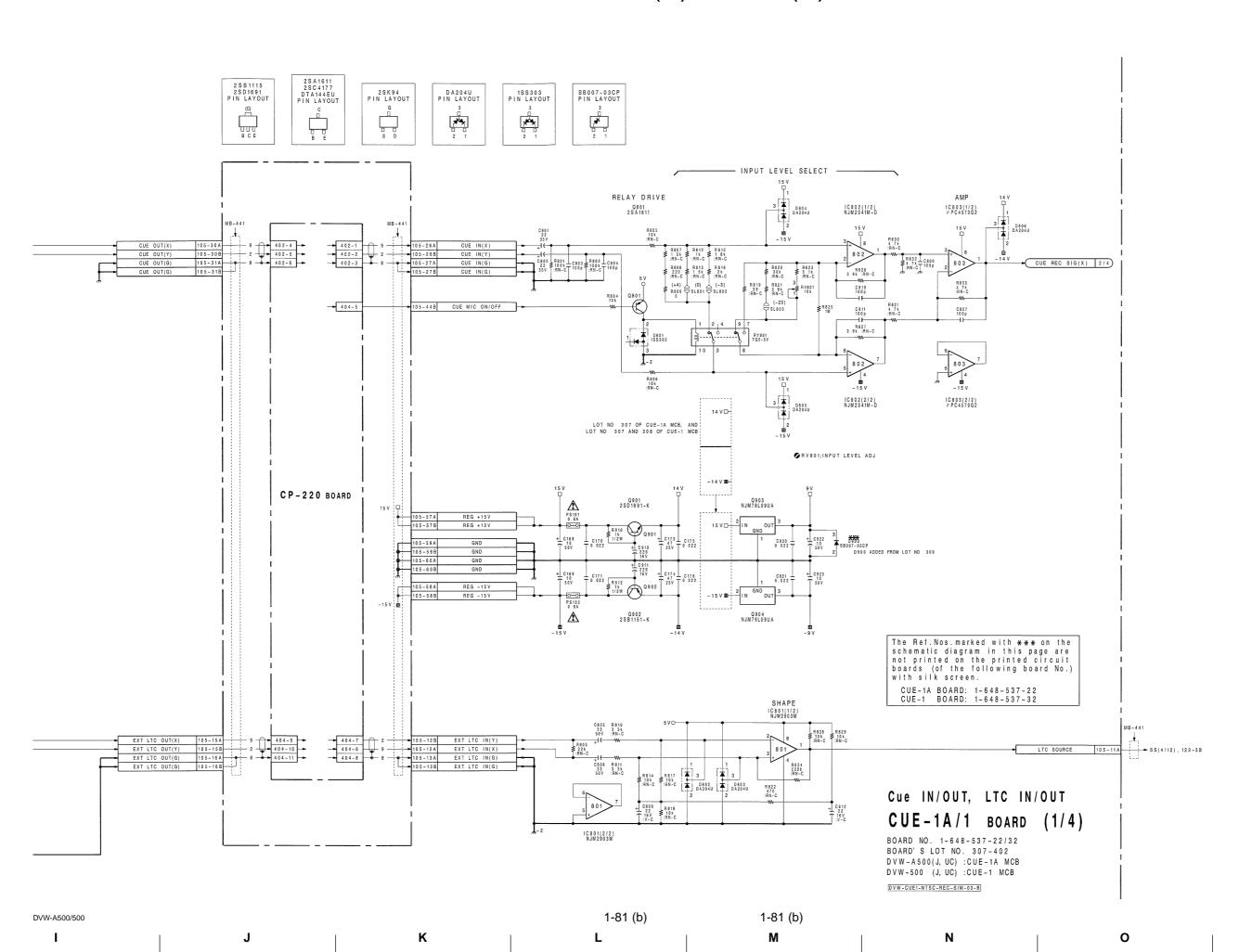
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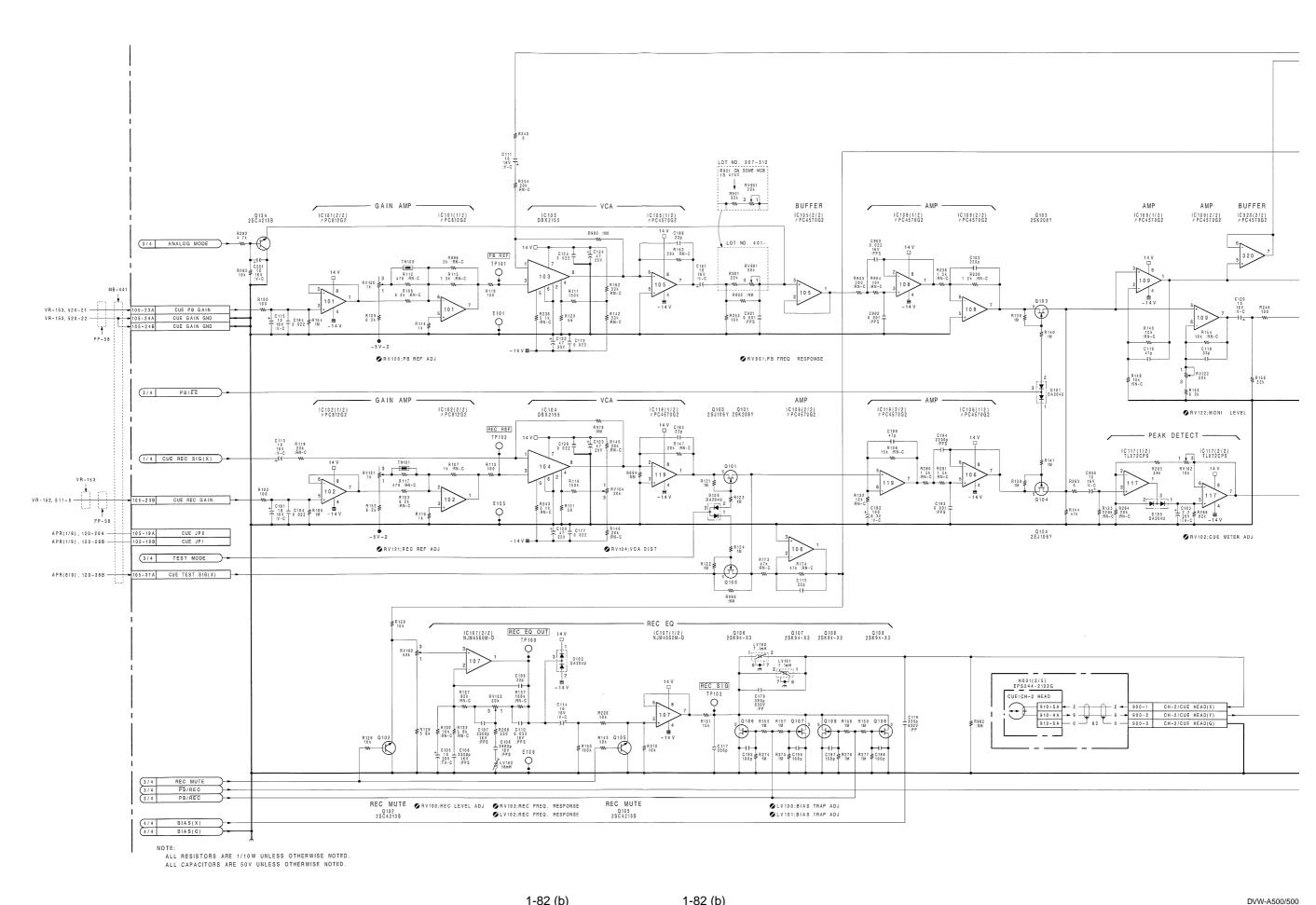






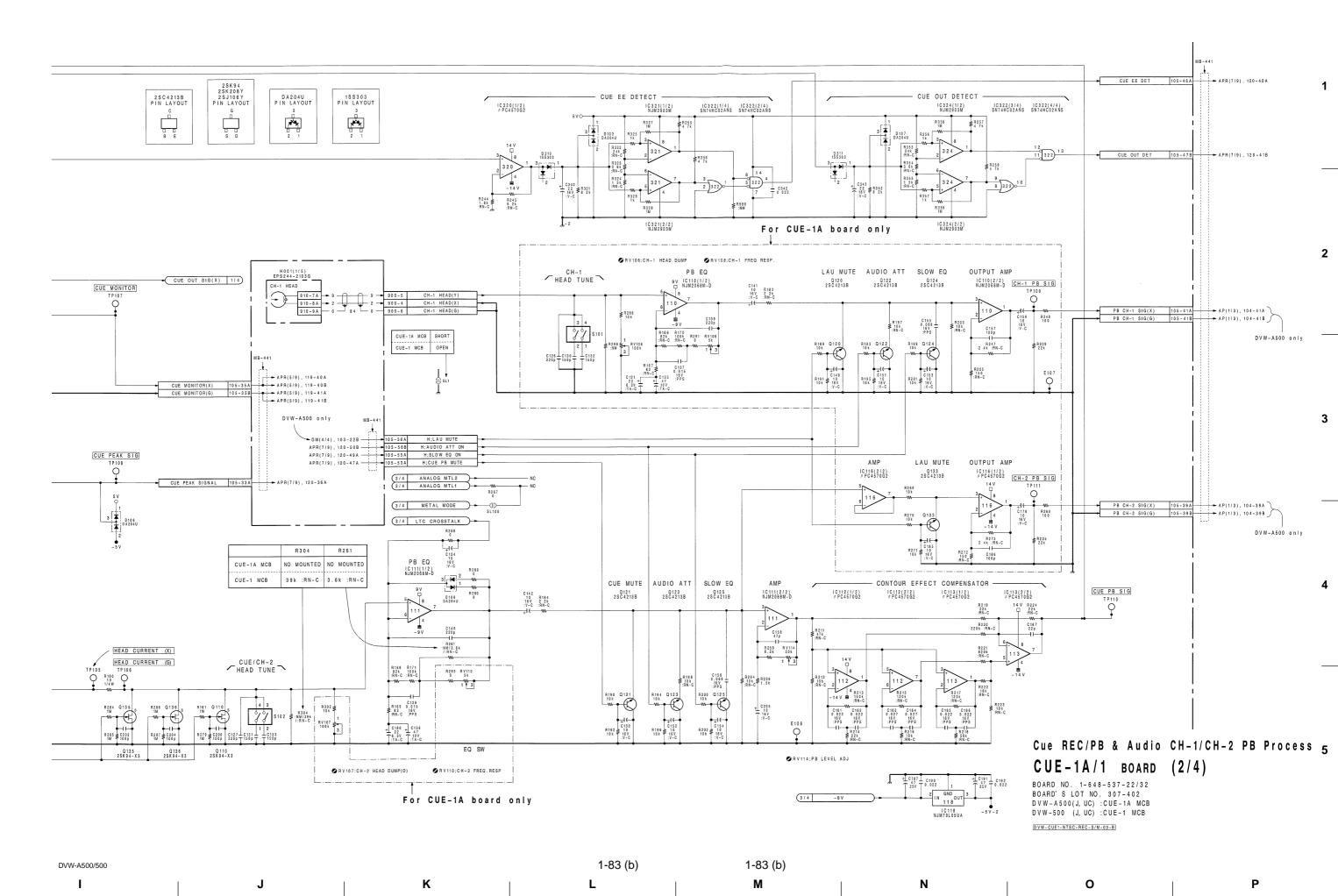
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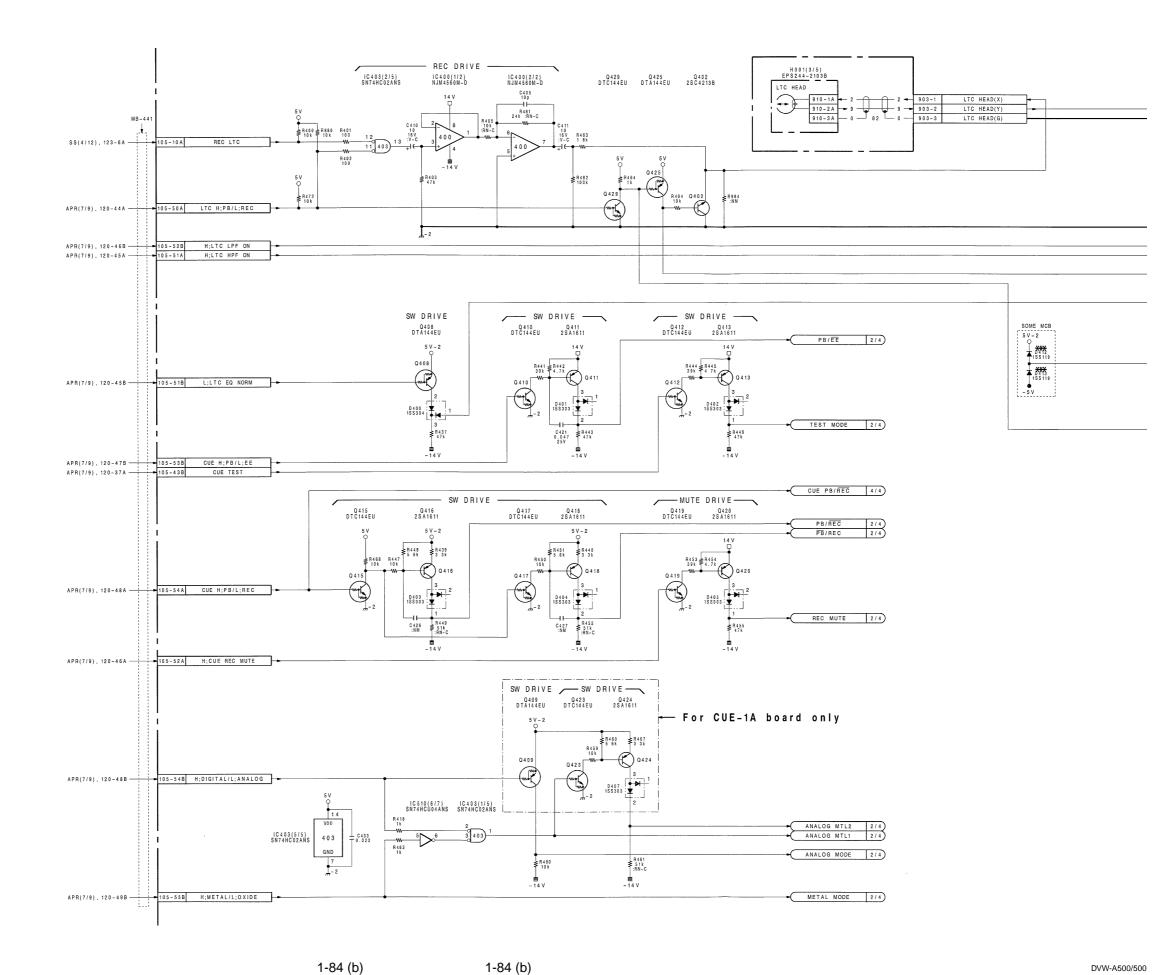


1-82 (b) 1-82 (b)

A B C D E F G H



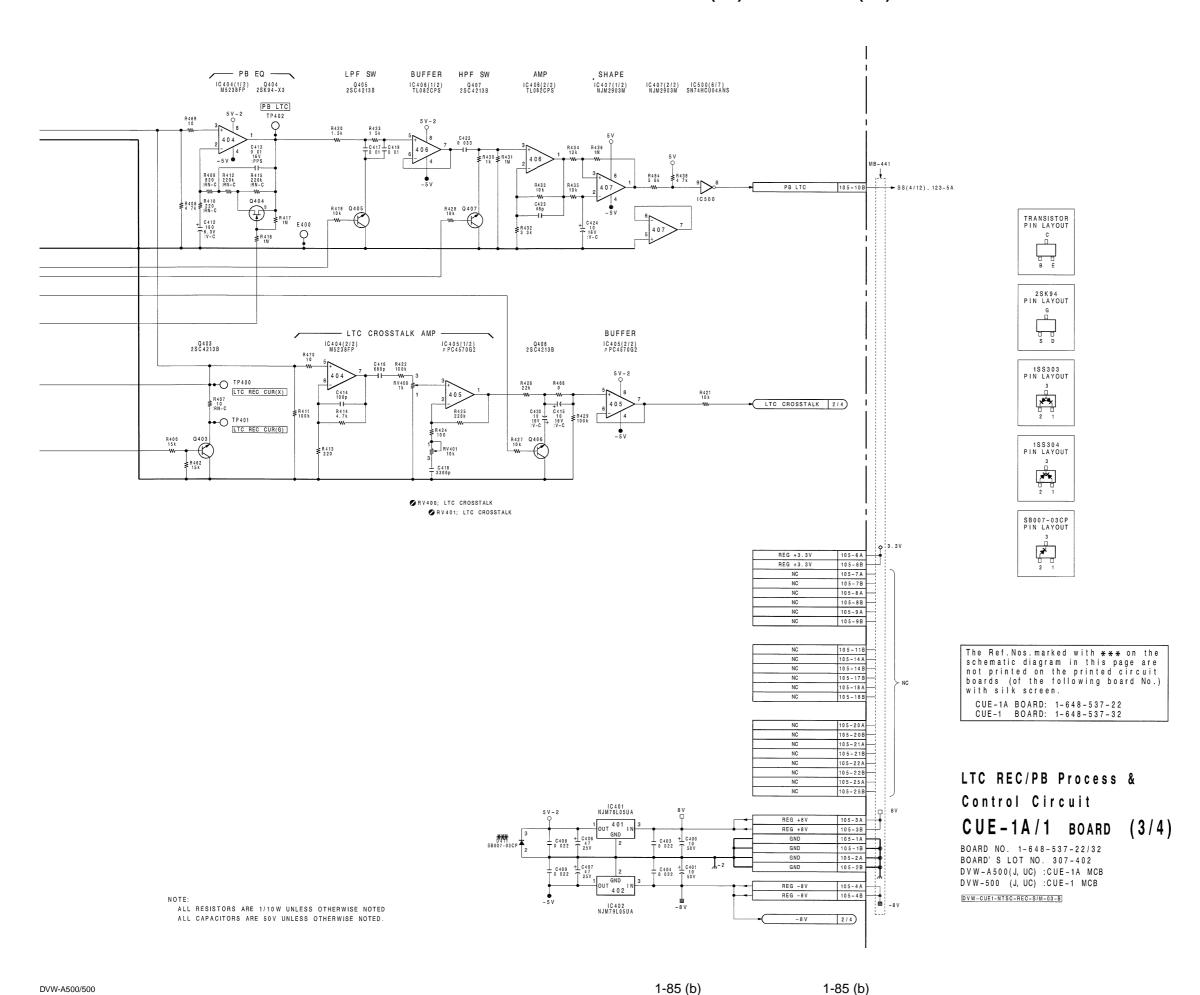
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B C D E F G H

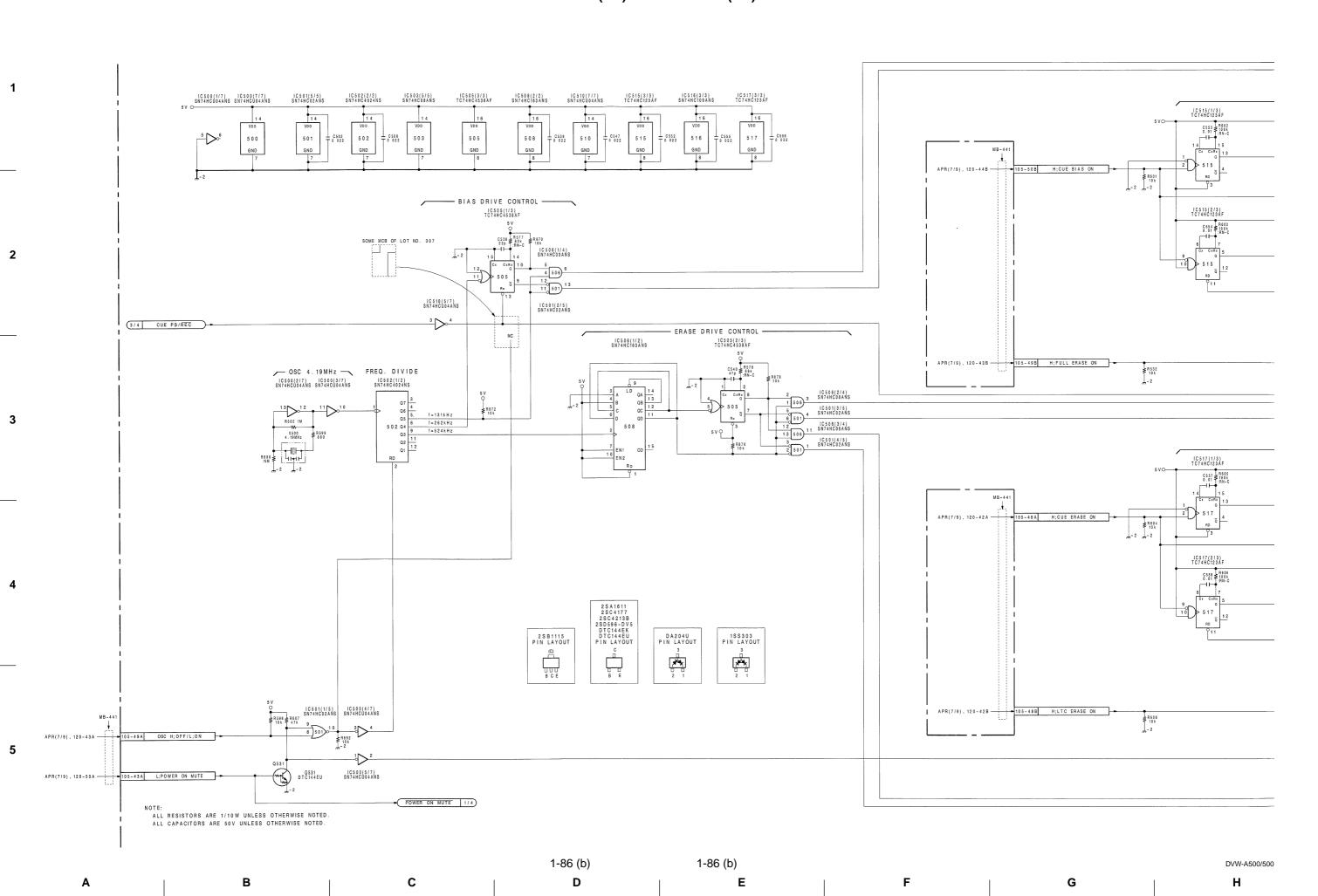
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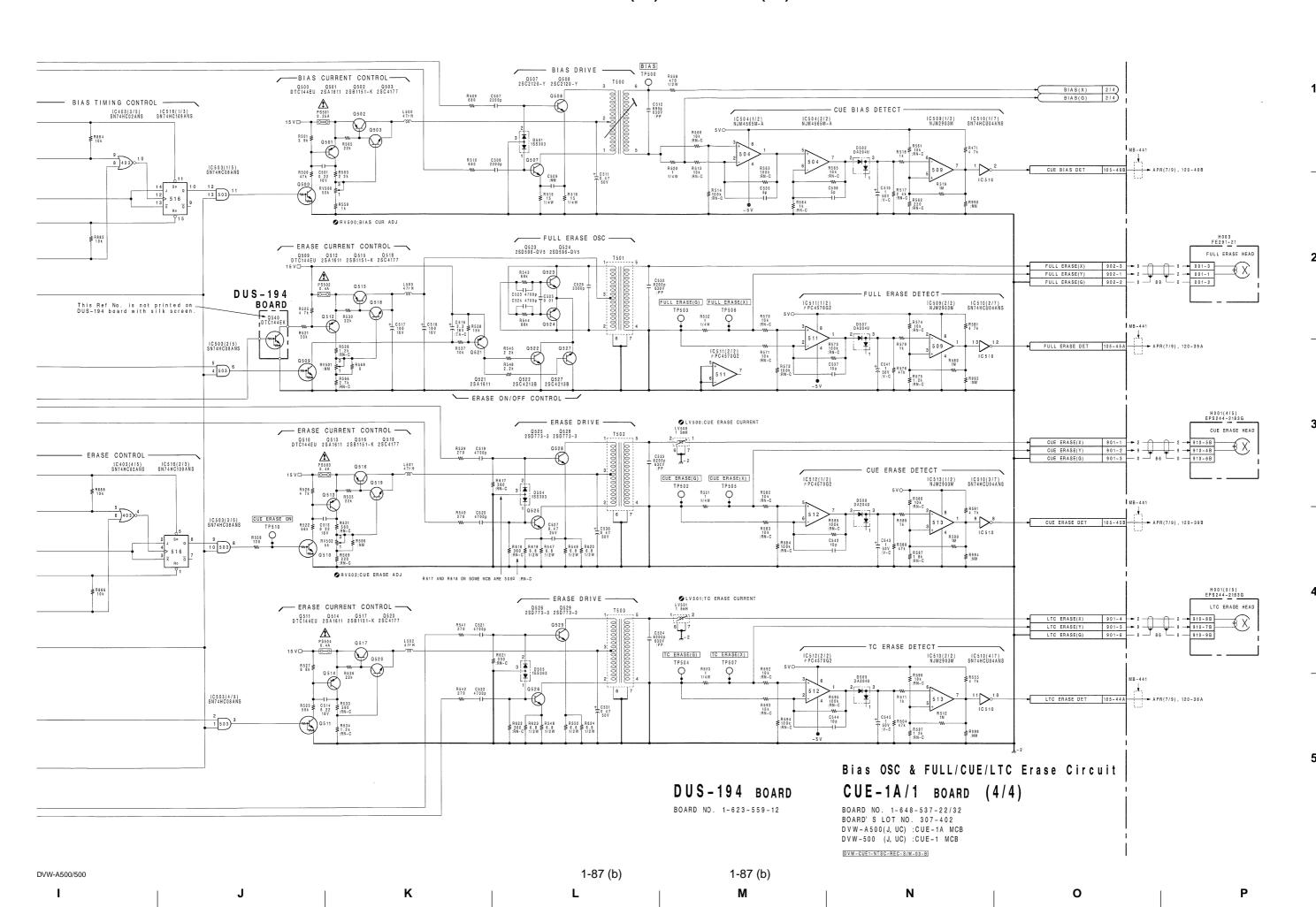
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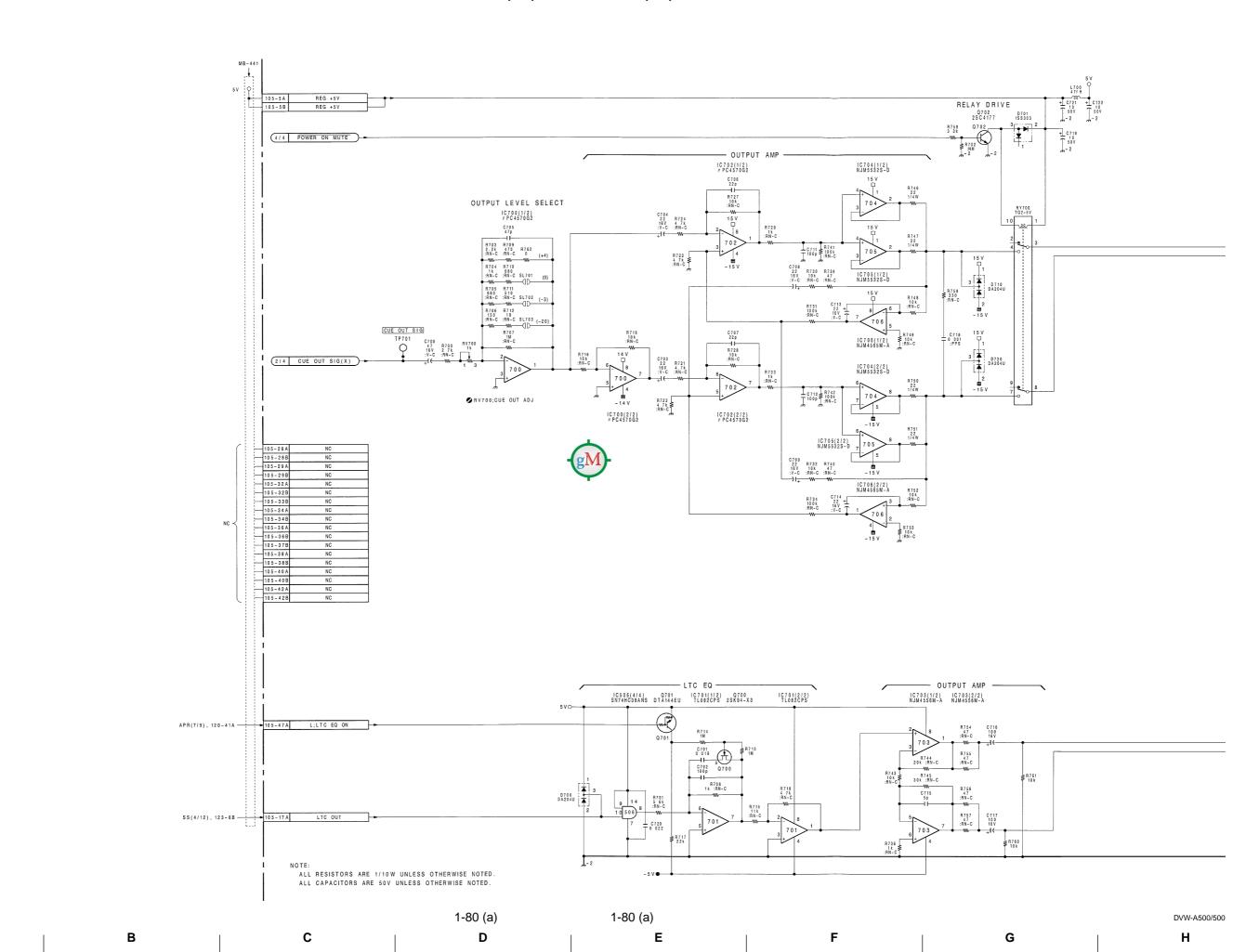


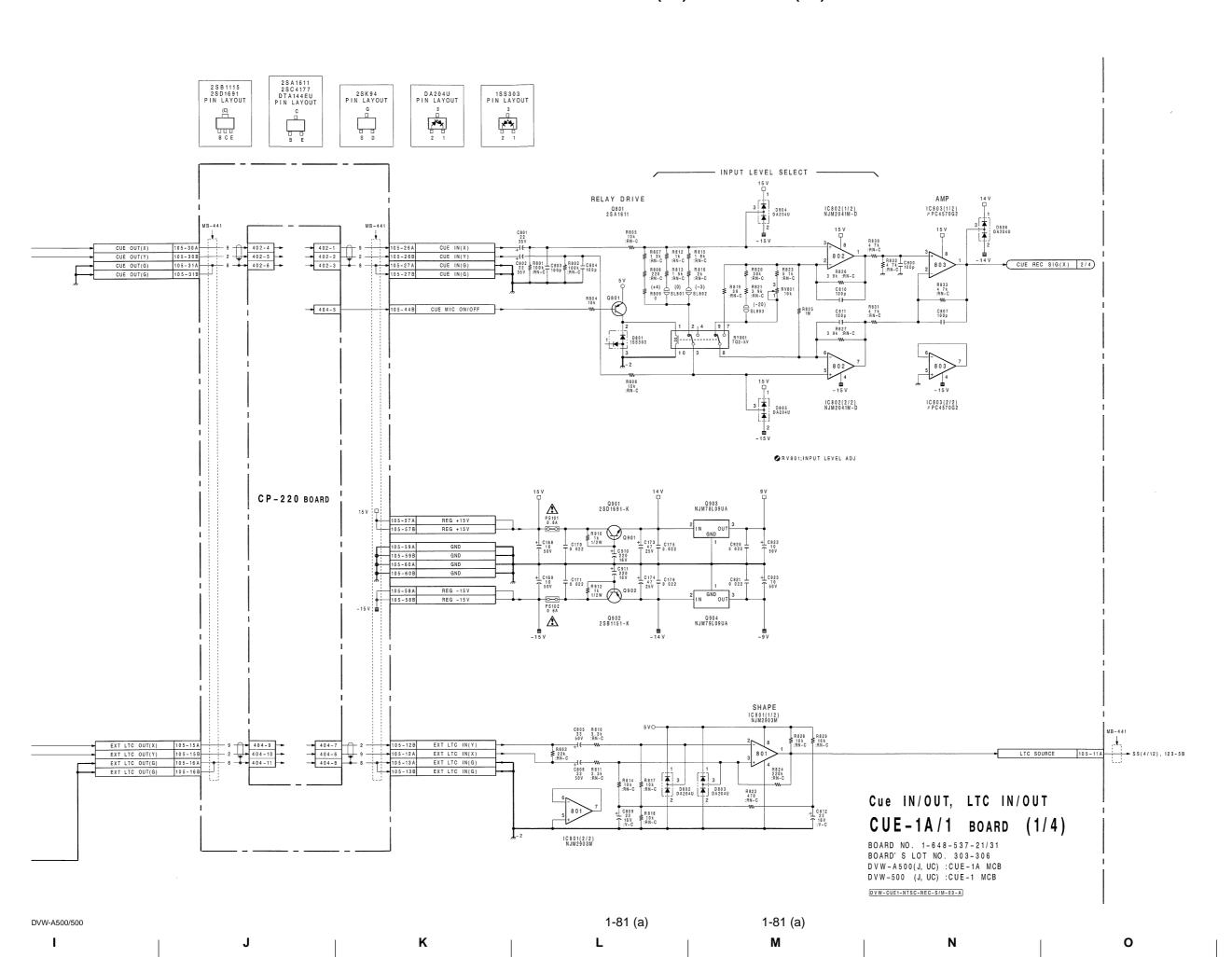
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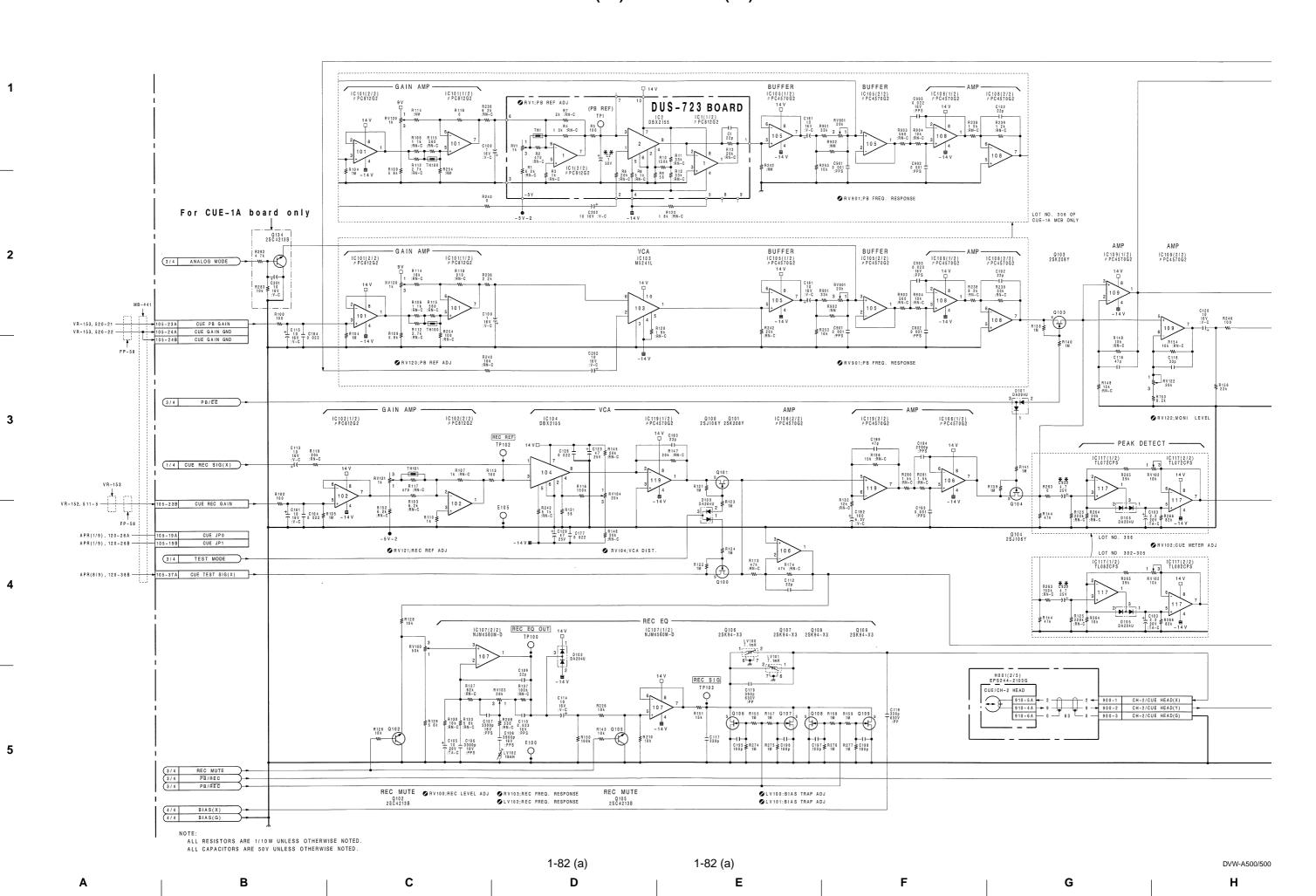
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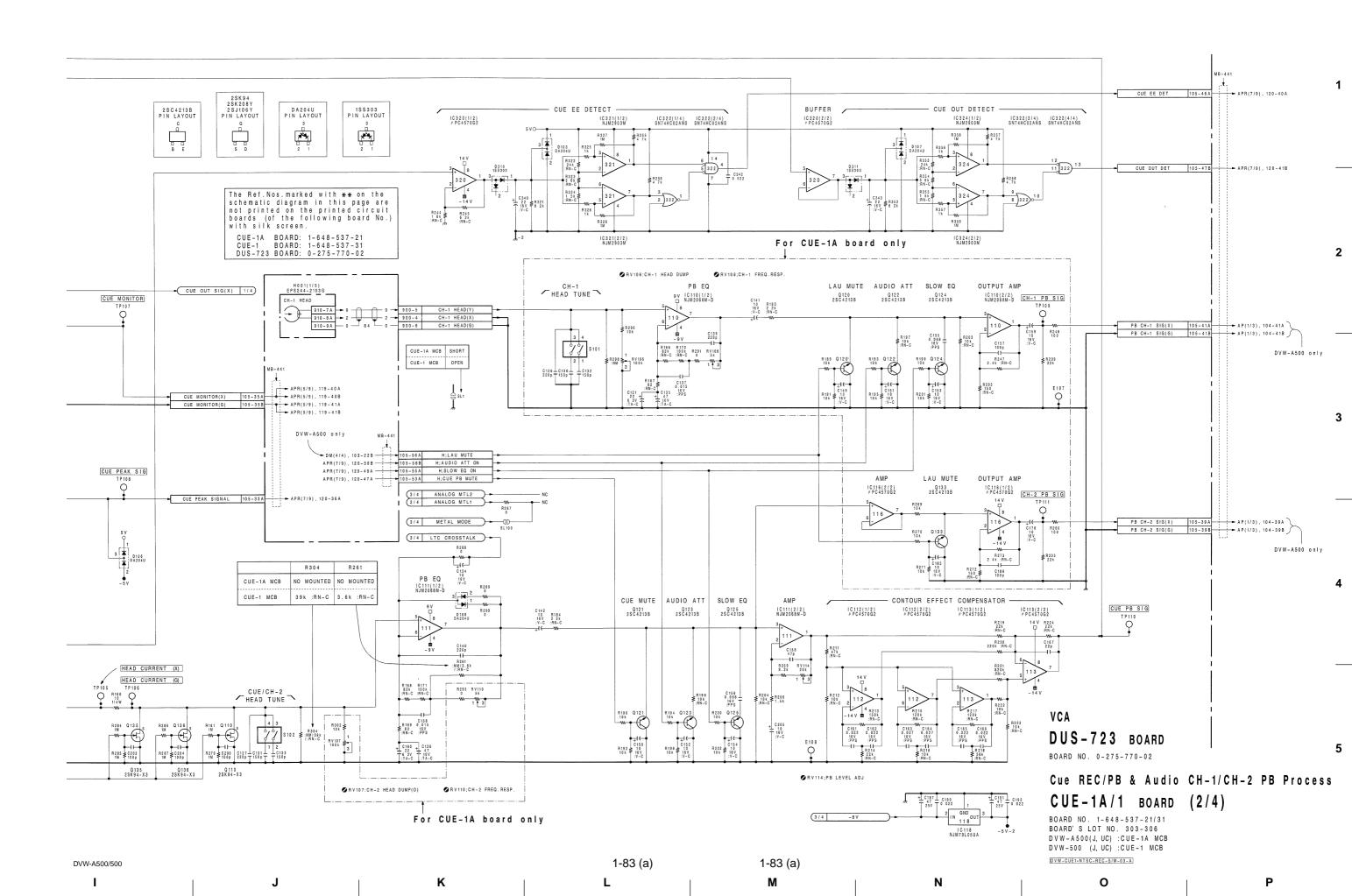


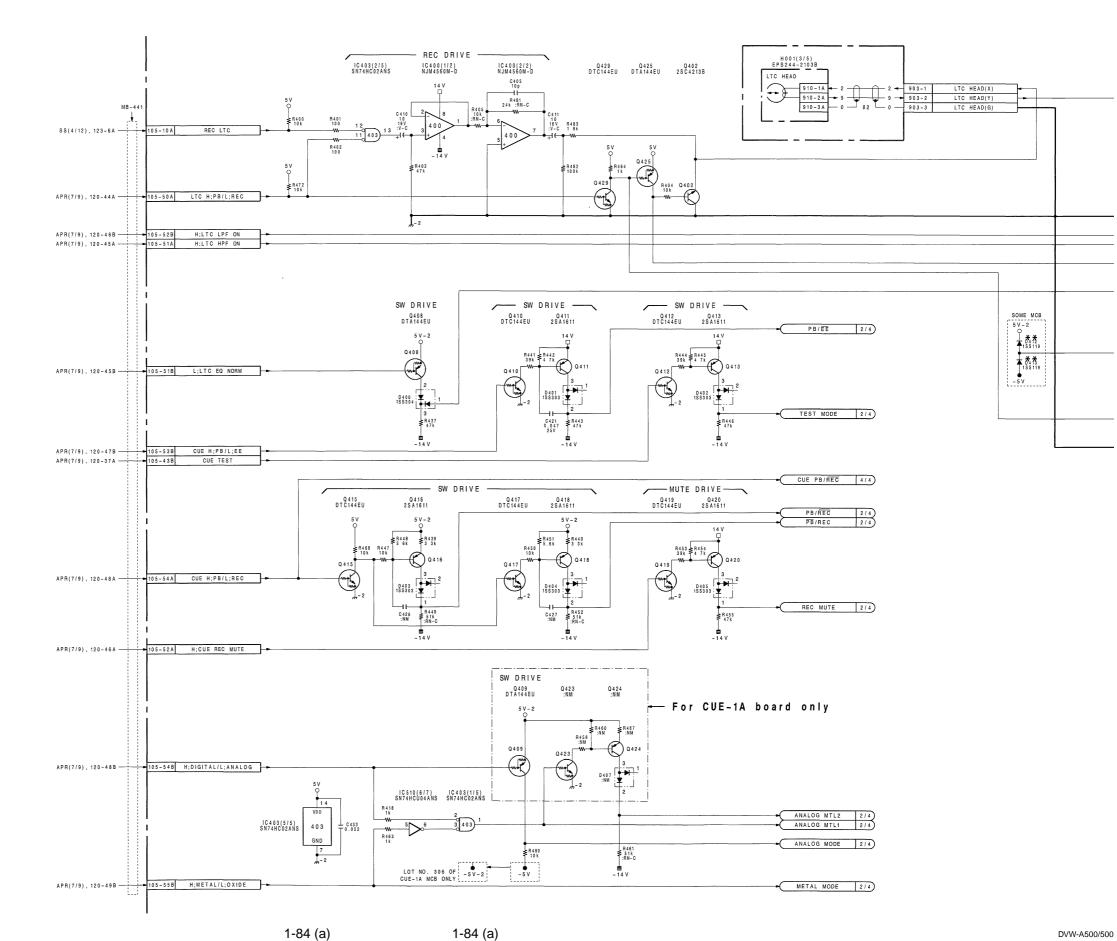












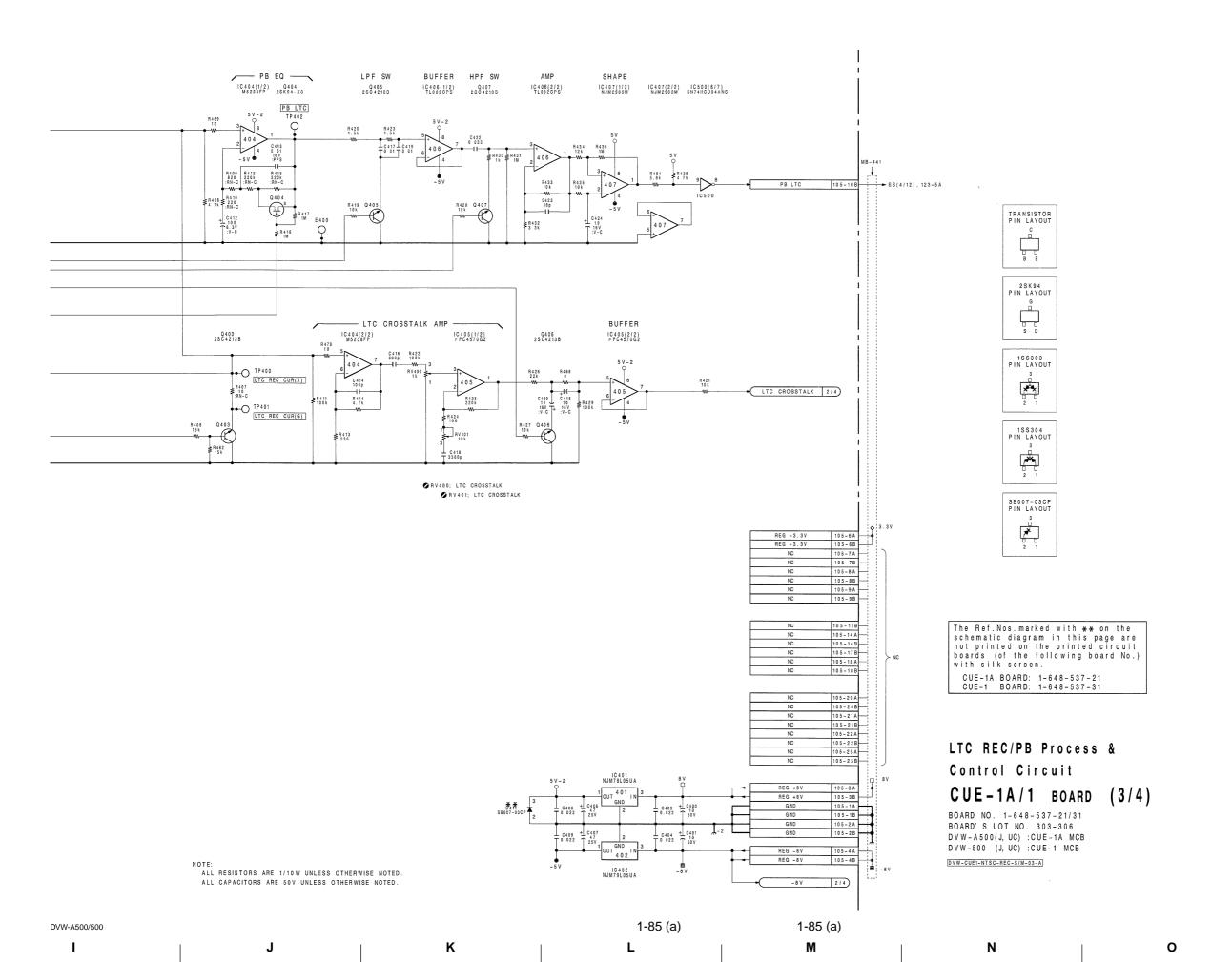
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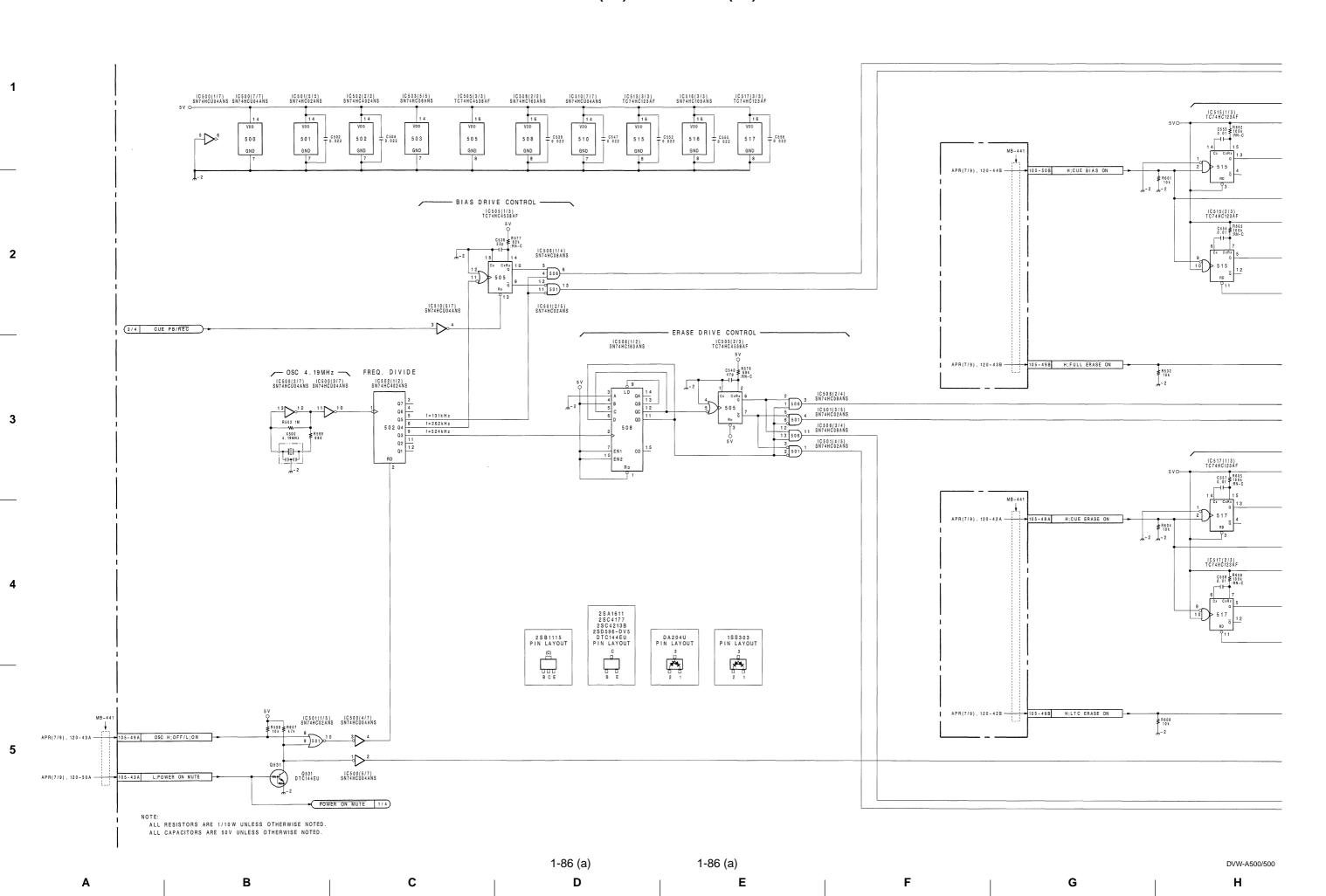


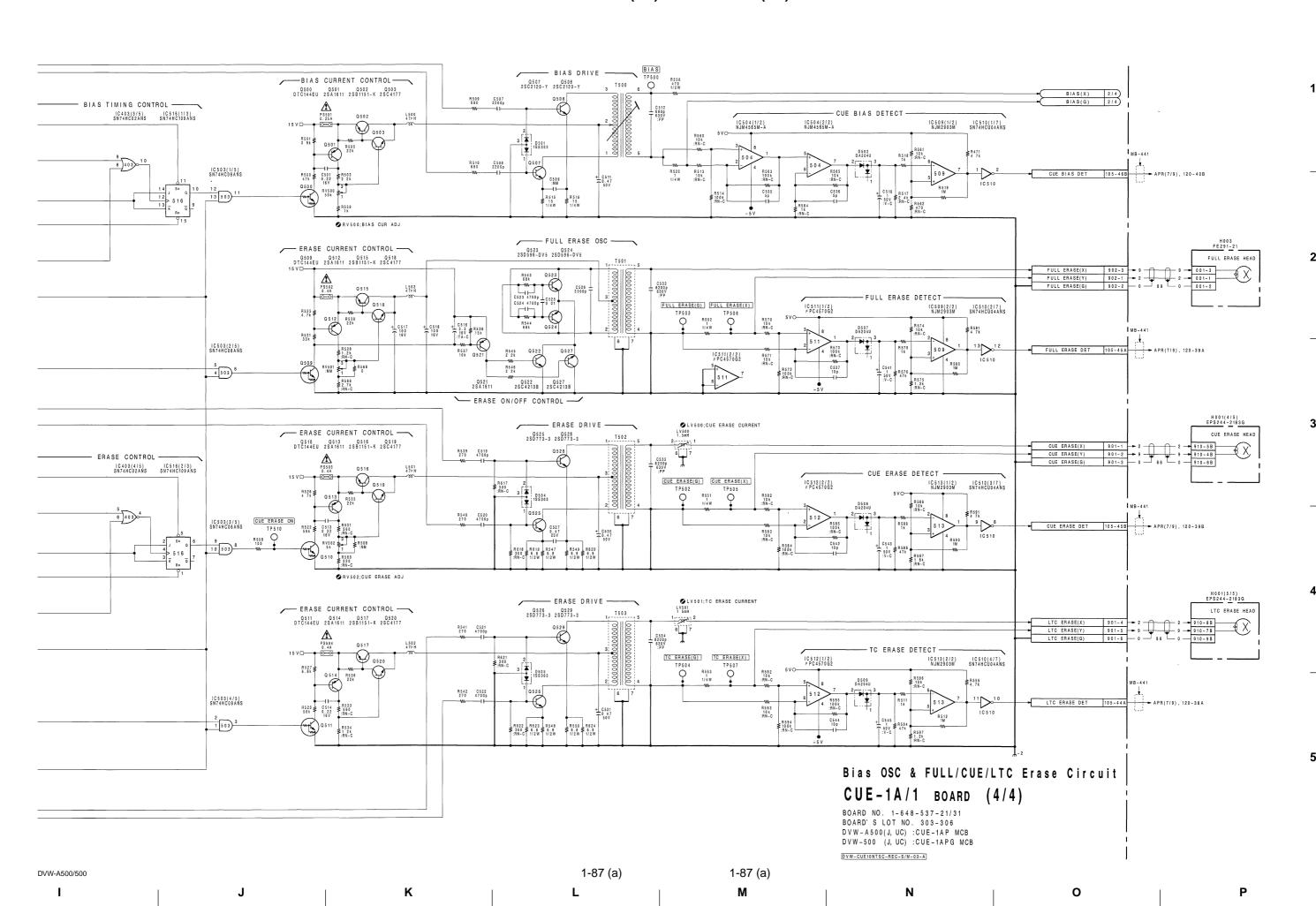
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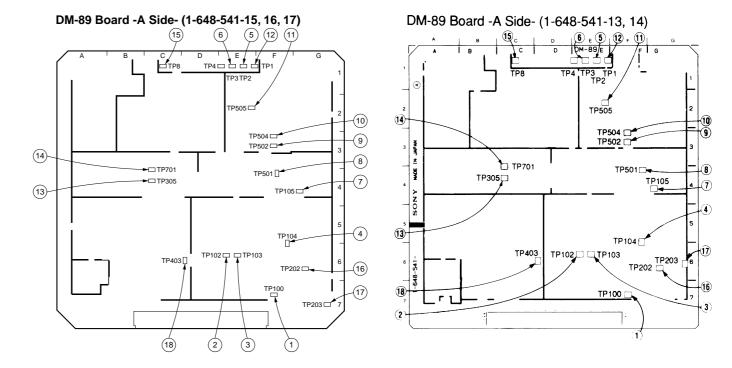
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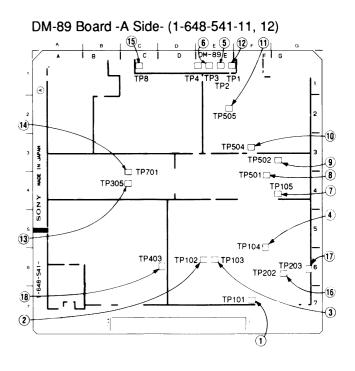
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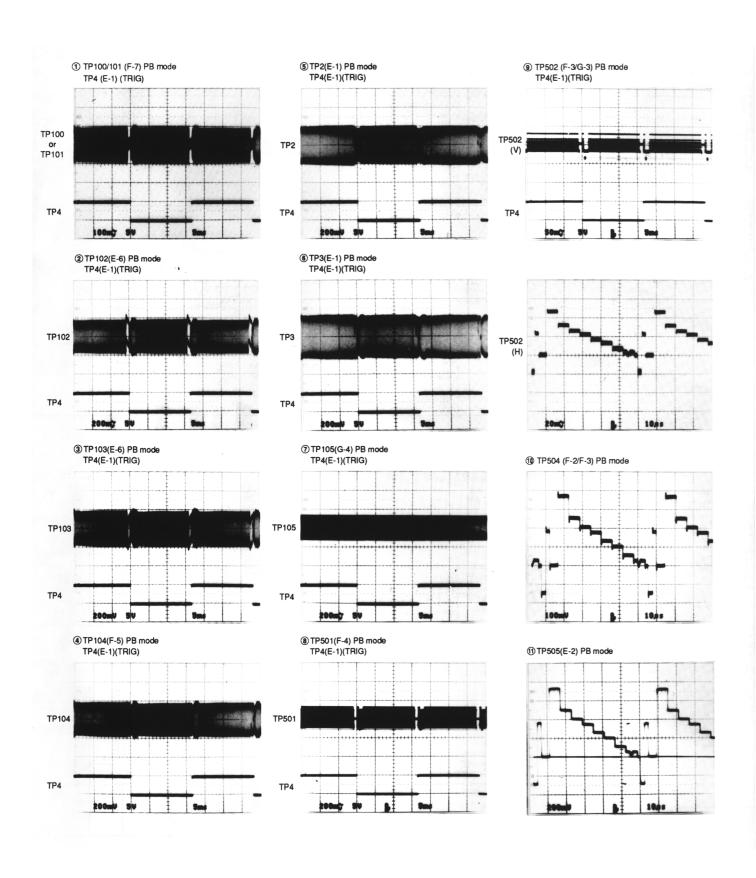


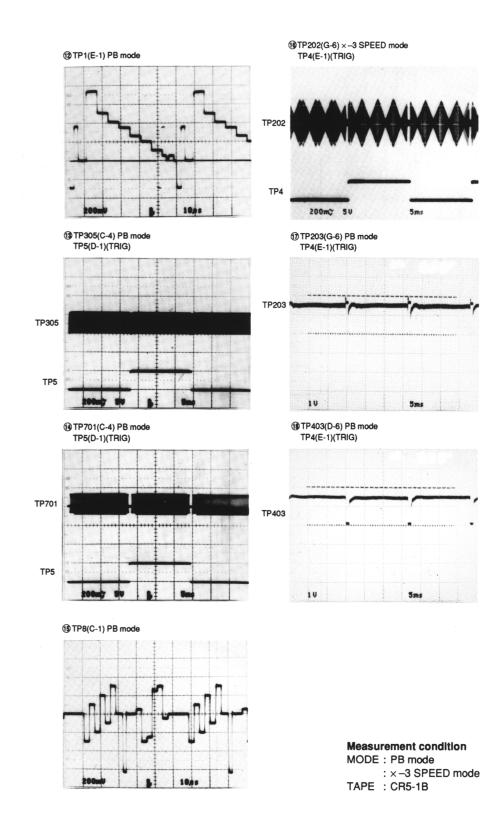


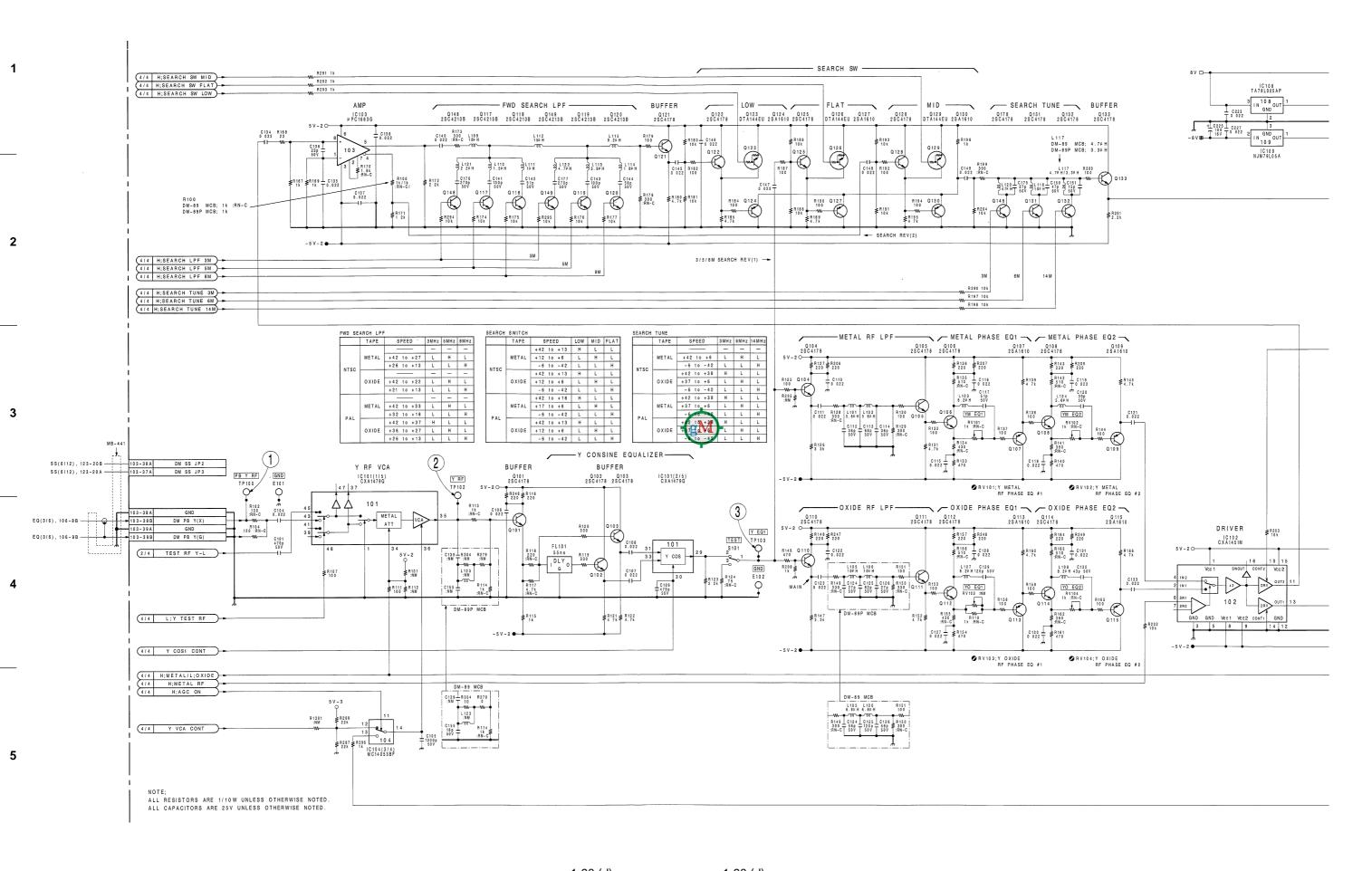




DM-89

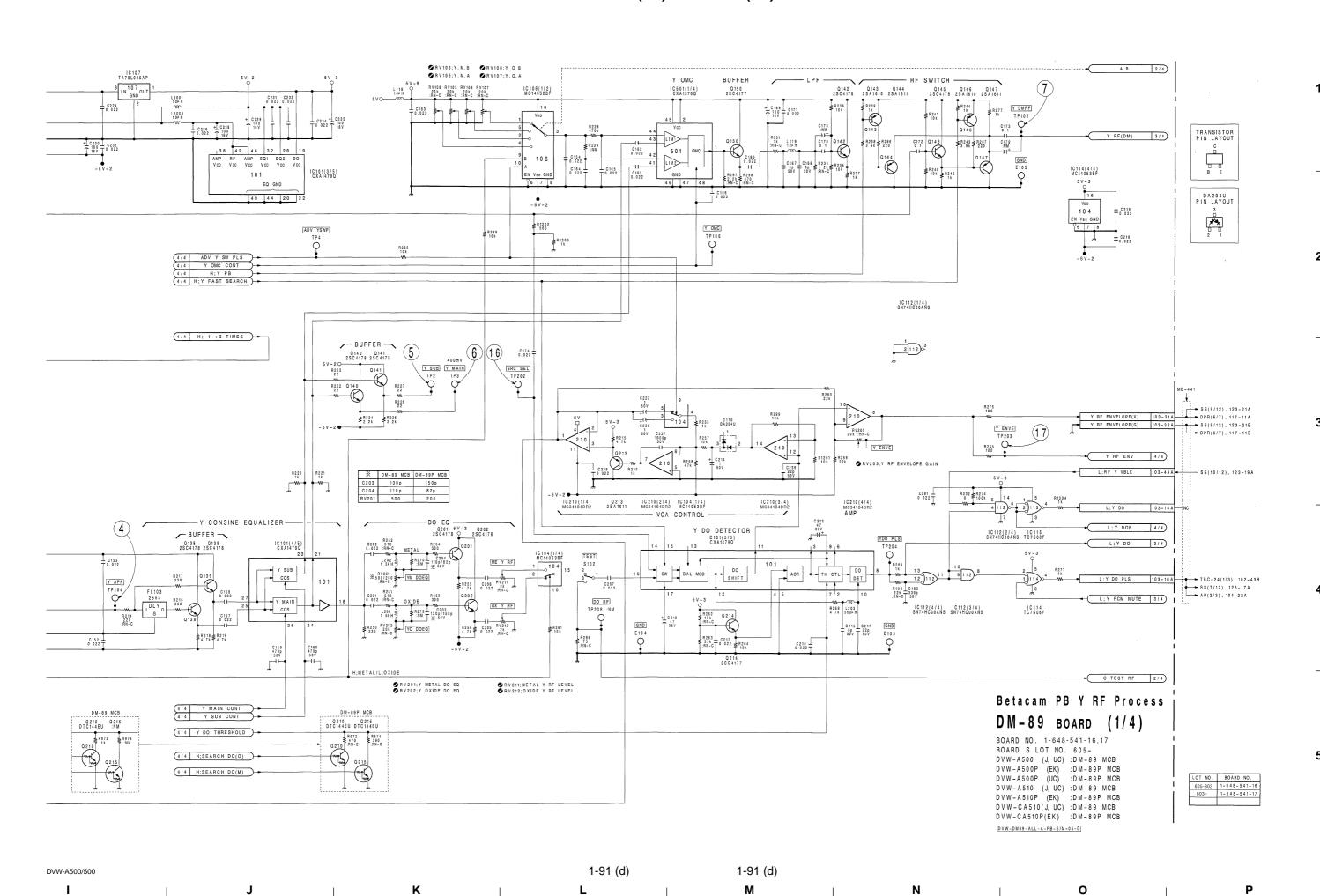






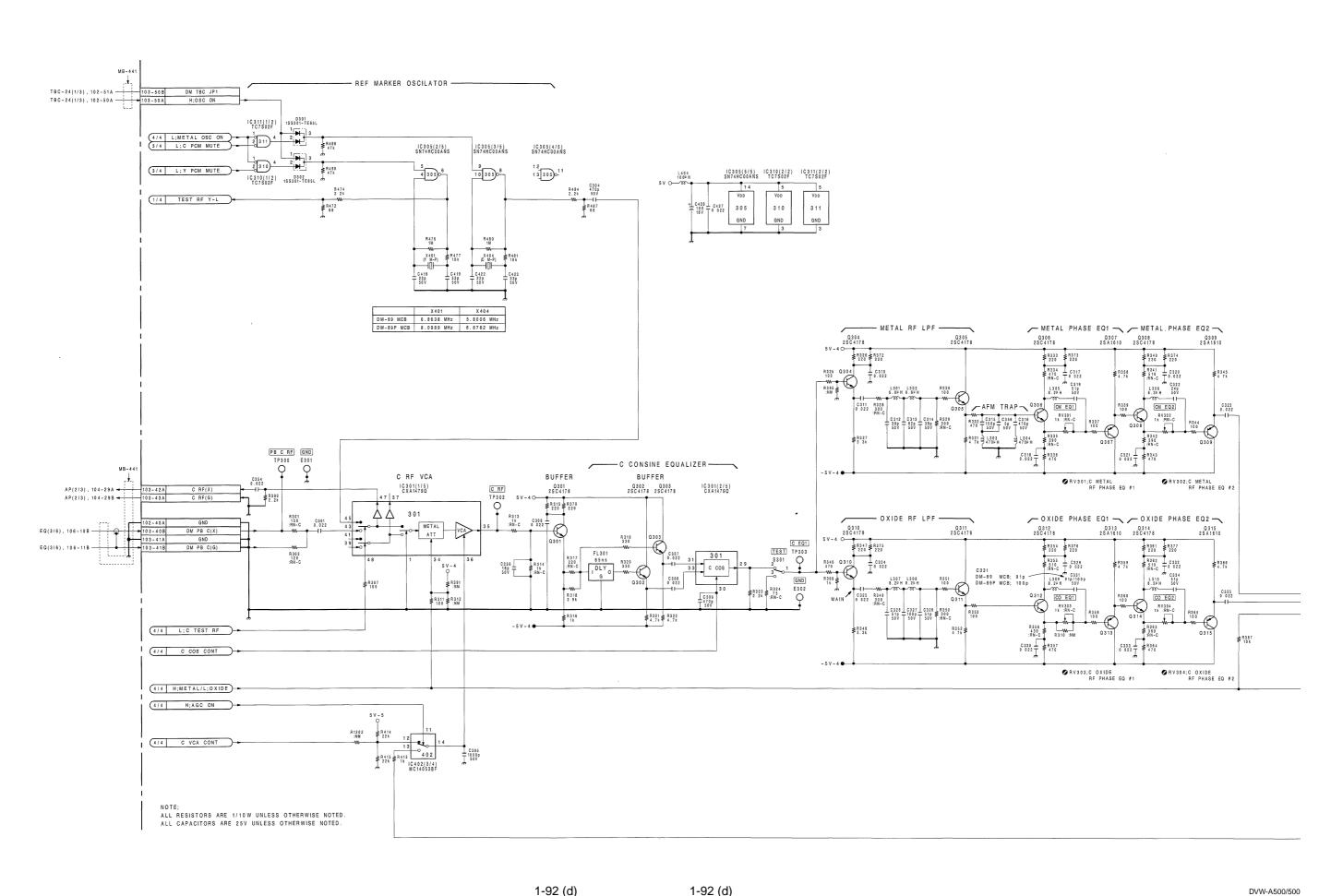
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A B C D E F G H

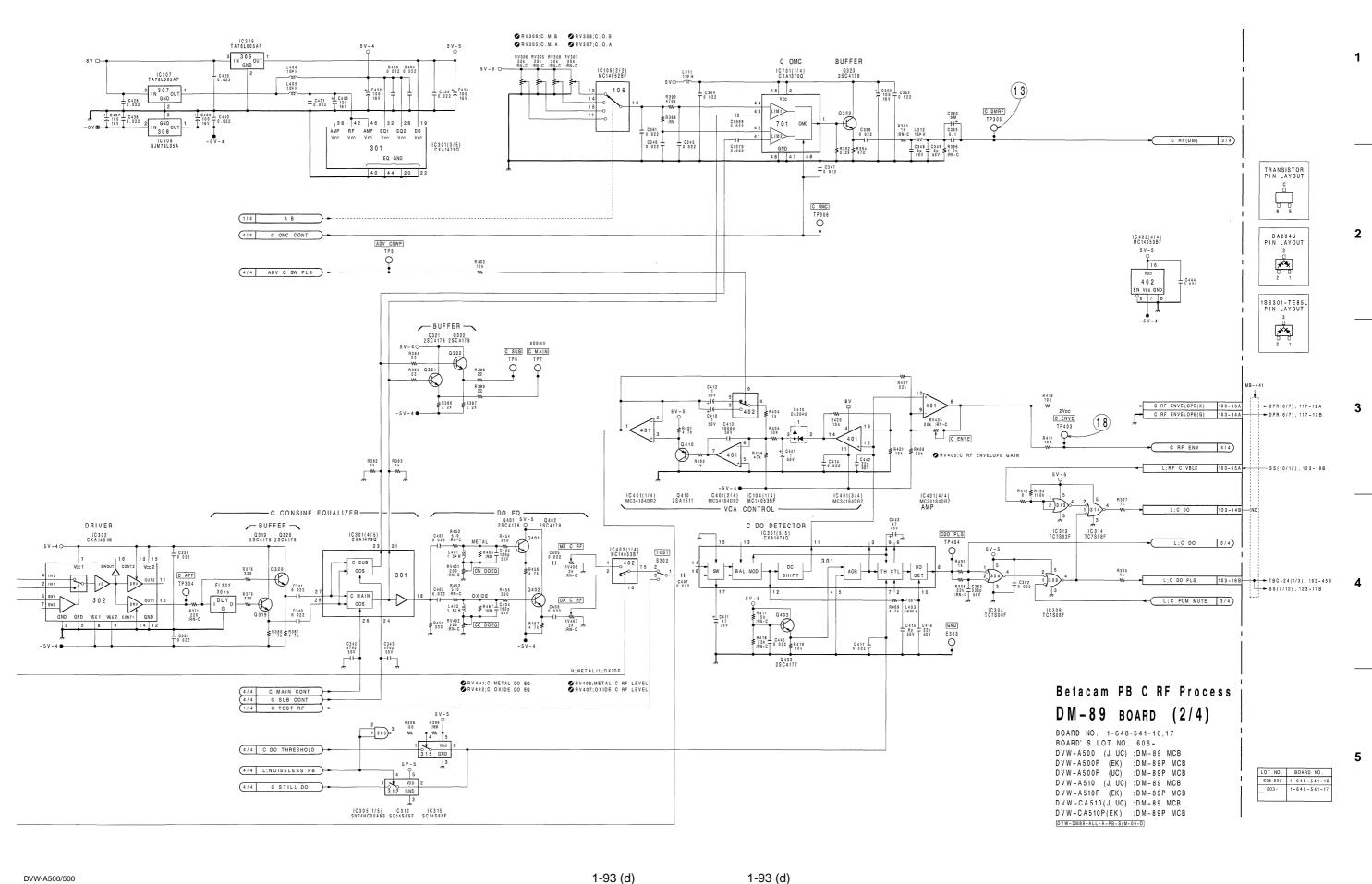


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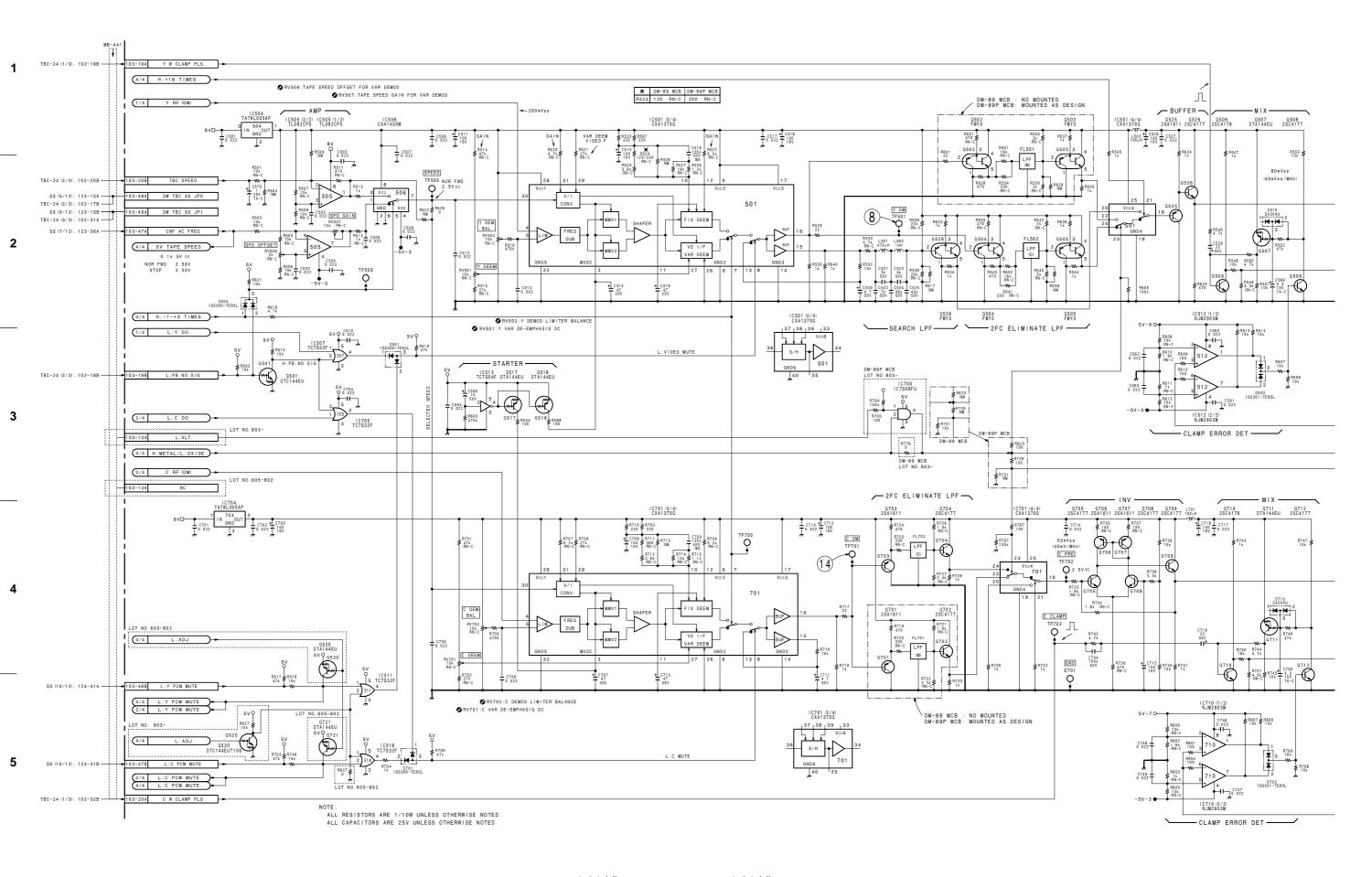
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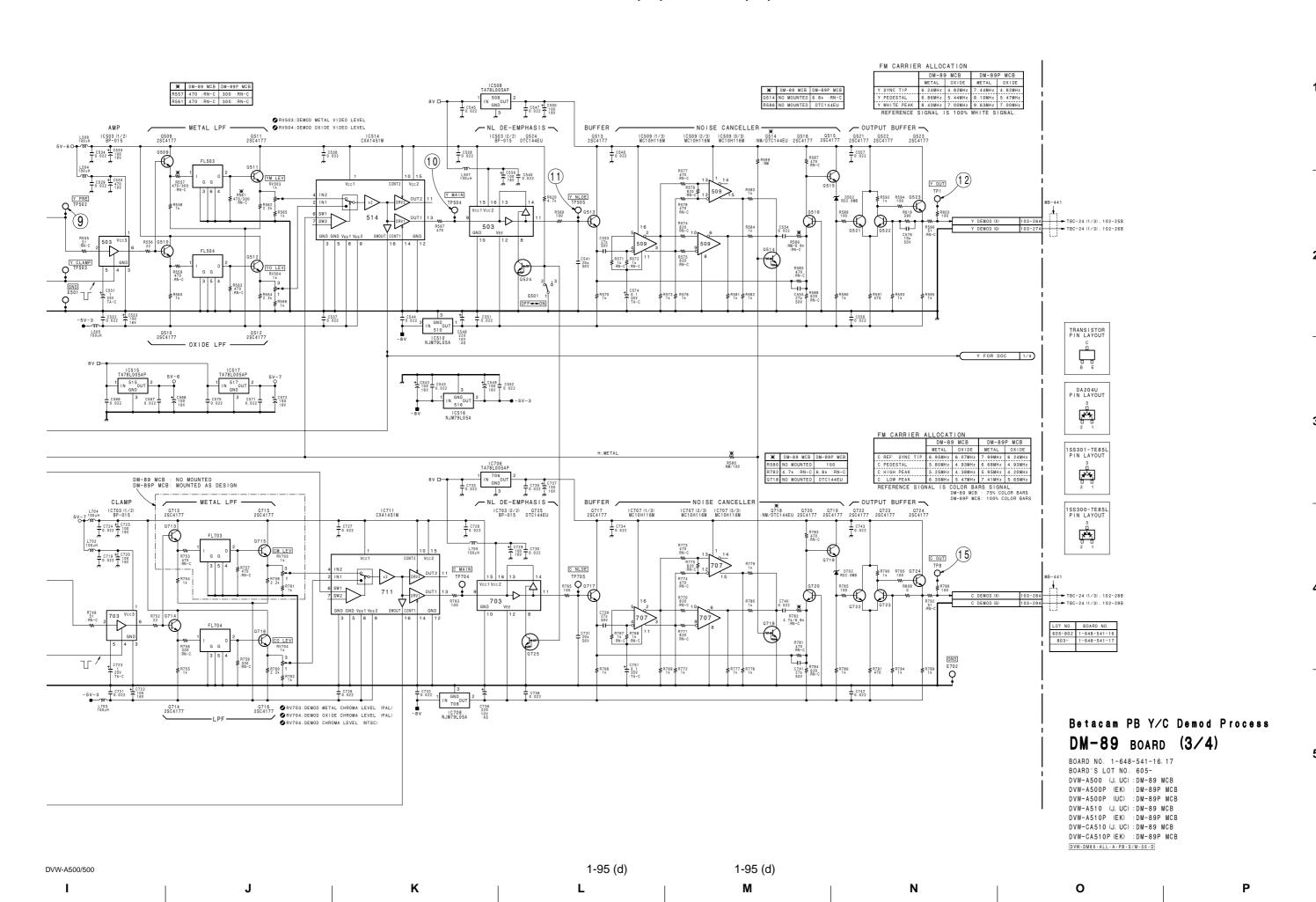
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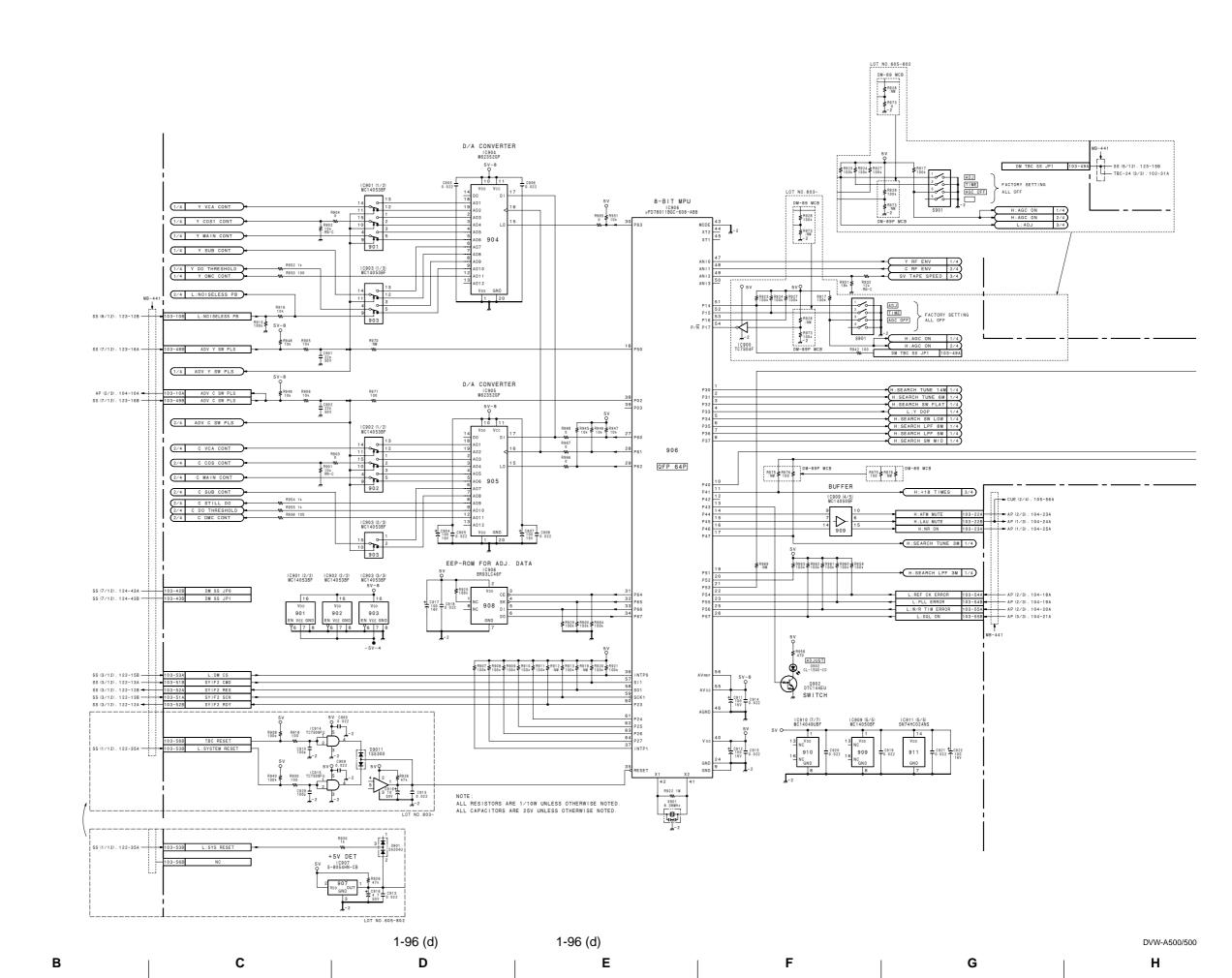


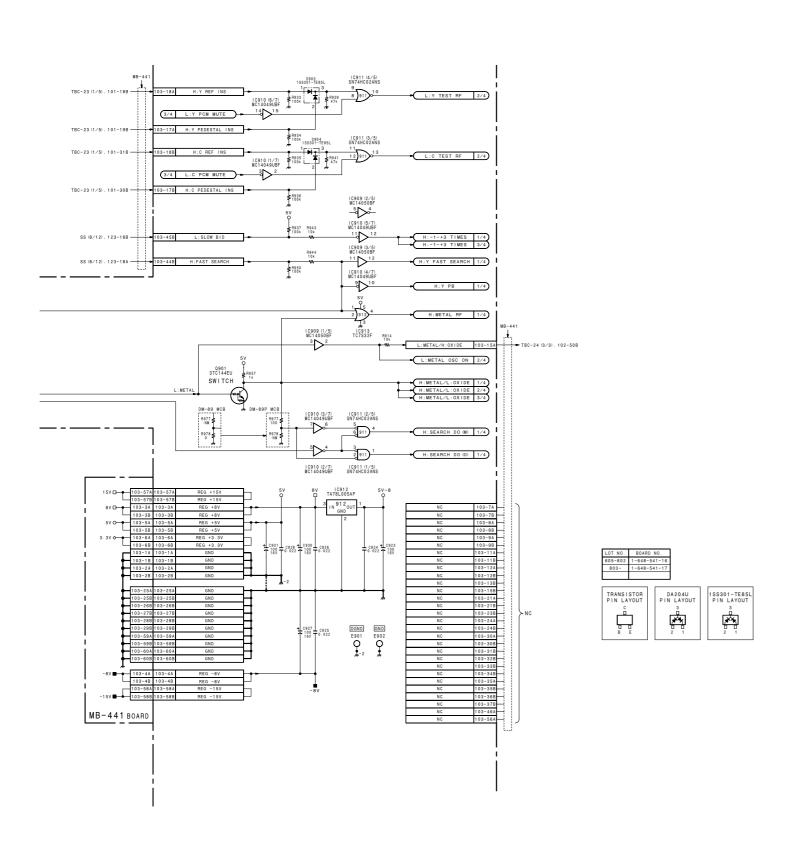
I J K L M N O P



1-94 (d) 1-94 (d) T-94 (d) T-9







DVW-A500/500

Betacam PB Control

DM-89 BOARD (4/4)

BOARD NO. 1-648-541-16, 17
BOARD'S LOT NO. 605DVW-A500 (J, UC): DM-89 MCB
DVW-A500P (EK): DM-89P MCB
DVW-A500P (UC): DM-89P MCB
DVW-A510P (EK): DM-89P MCB
DVW-A510P (EK): DM-69P MCB
DVW-CA510 (J, UC): DM-89 MCB
DVW-CA510P (EK): DM-89P MCB
DVW-CA510P (EK): DM-89P MCB

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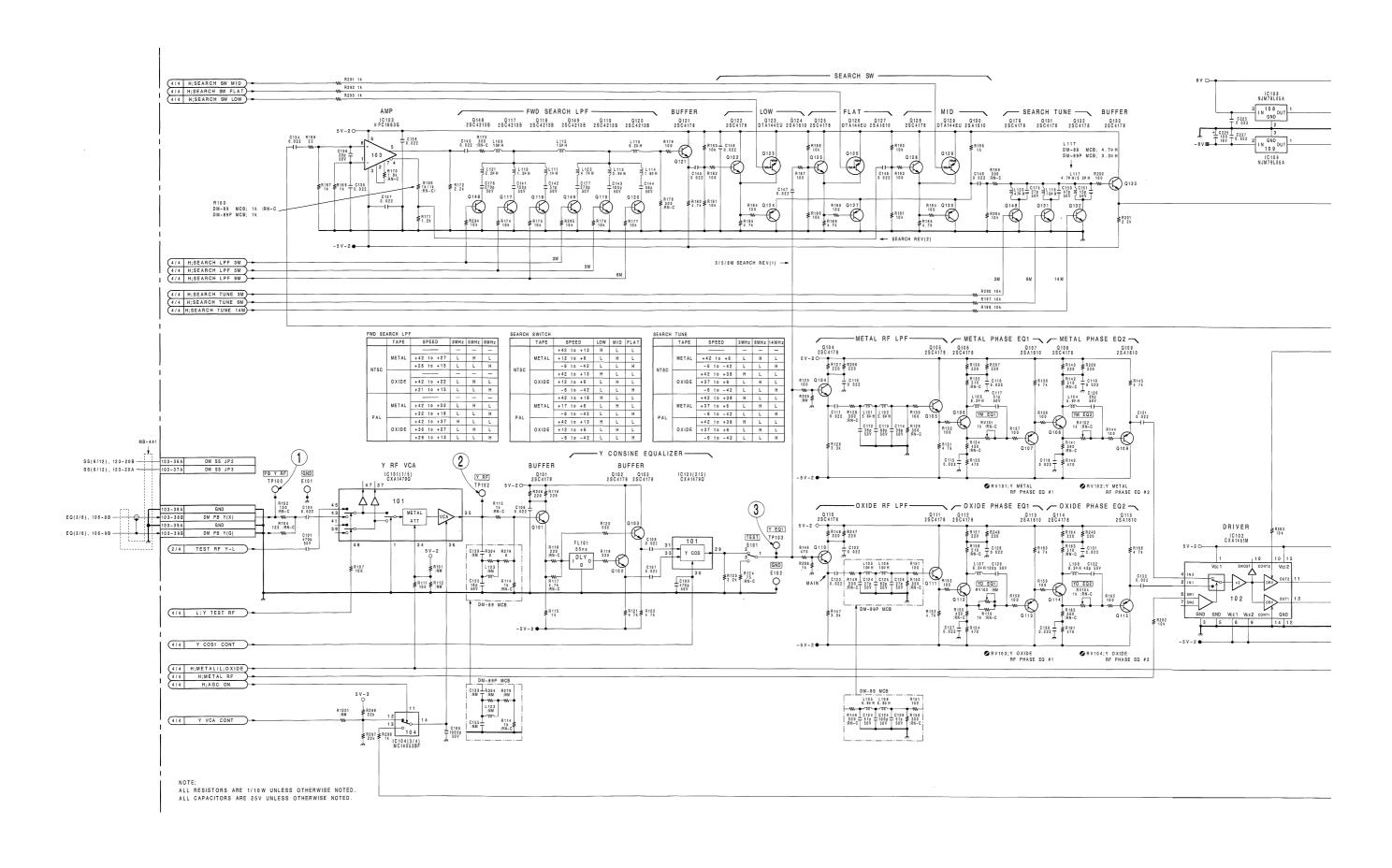
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1-97 (d) 1-97 (d) L M

Э

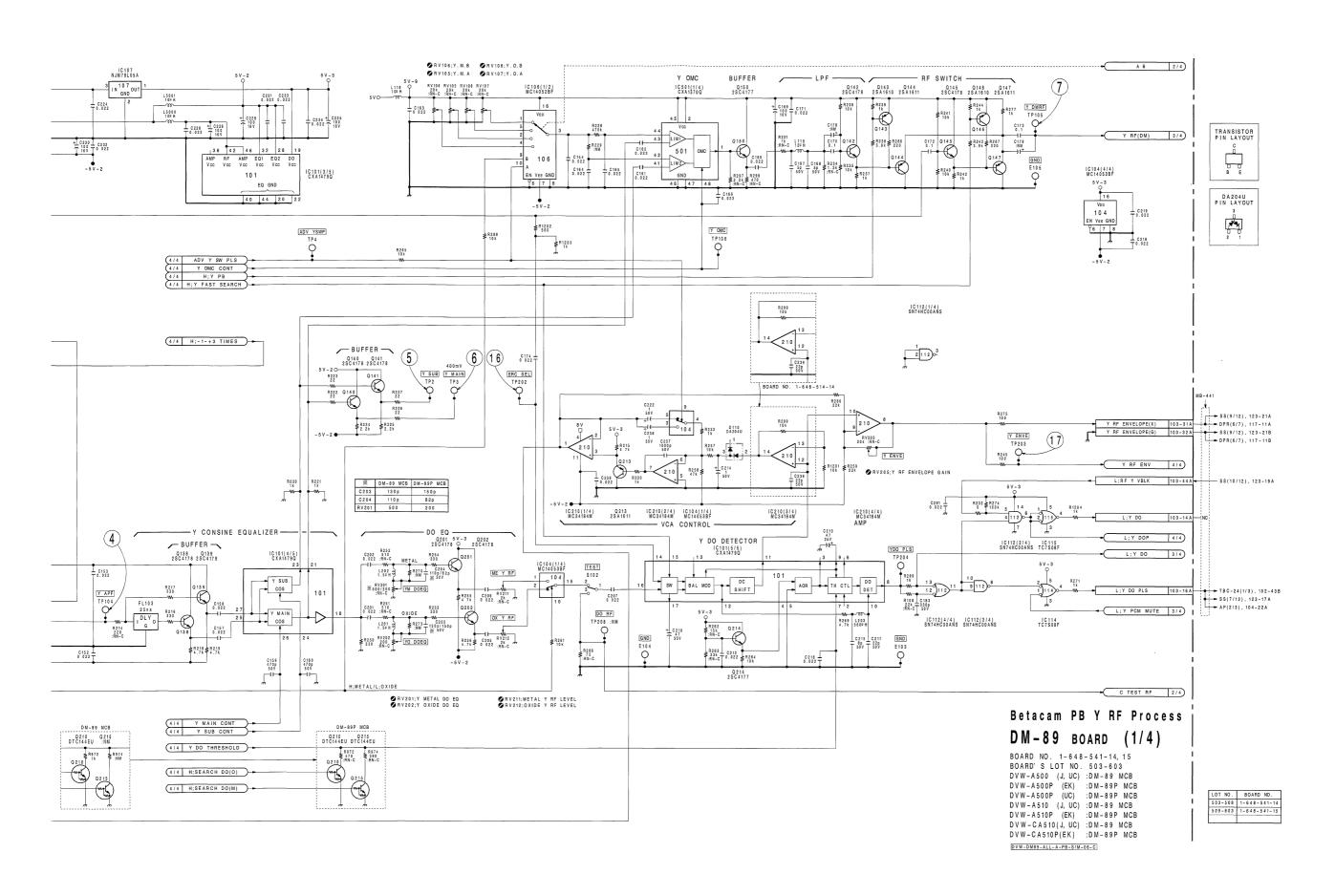
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1-90 (c) 1-90 (c) 1-90 (c)

A B C D E F G H



1-91 (c)

Κ

DVW-A500/500

1-91 (c)

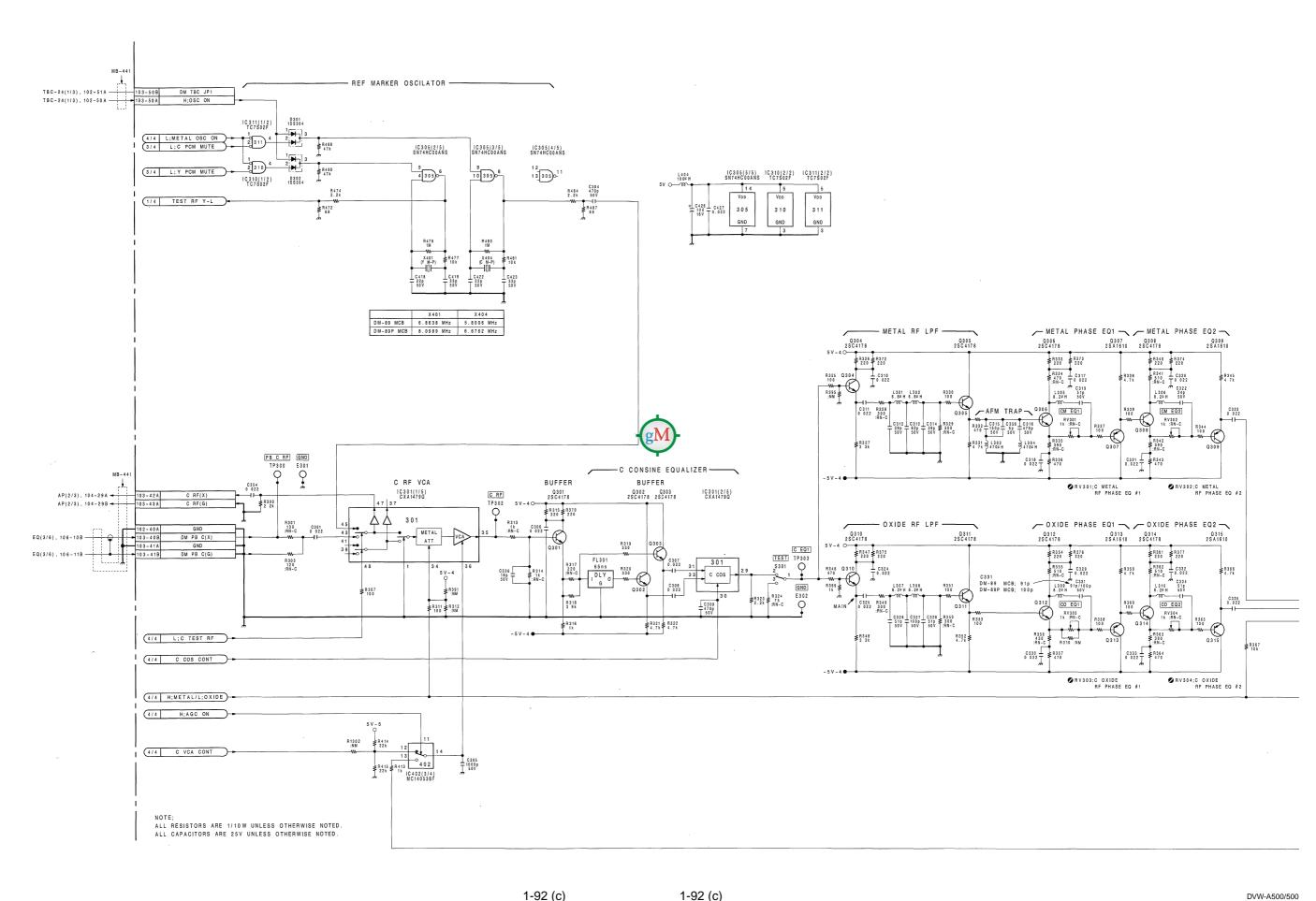
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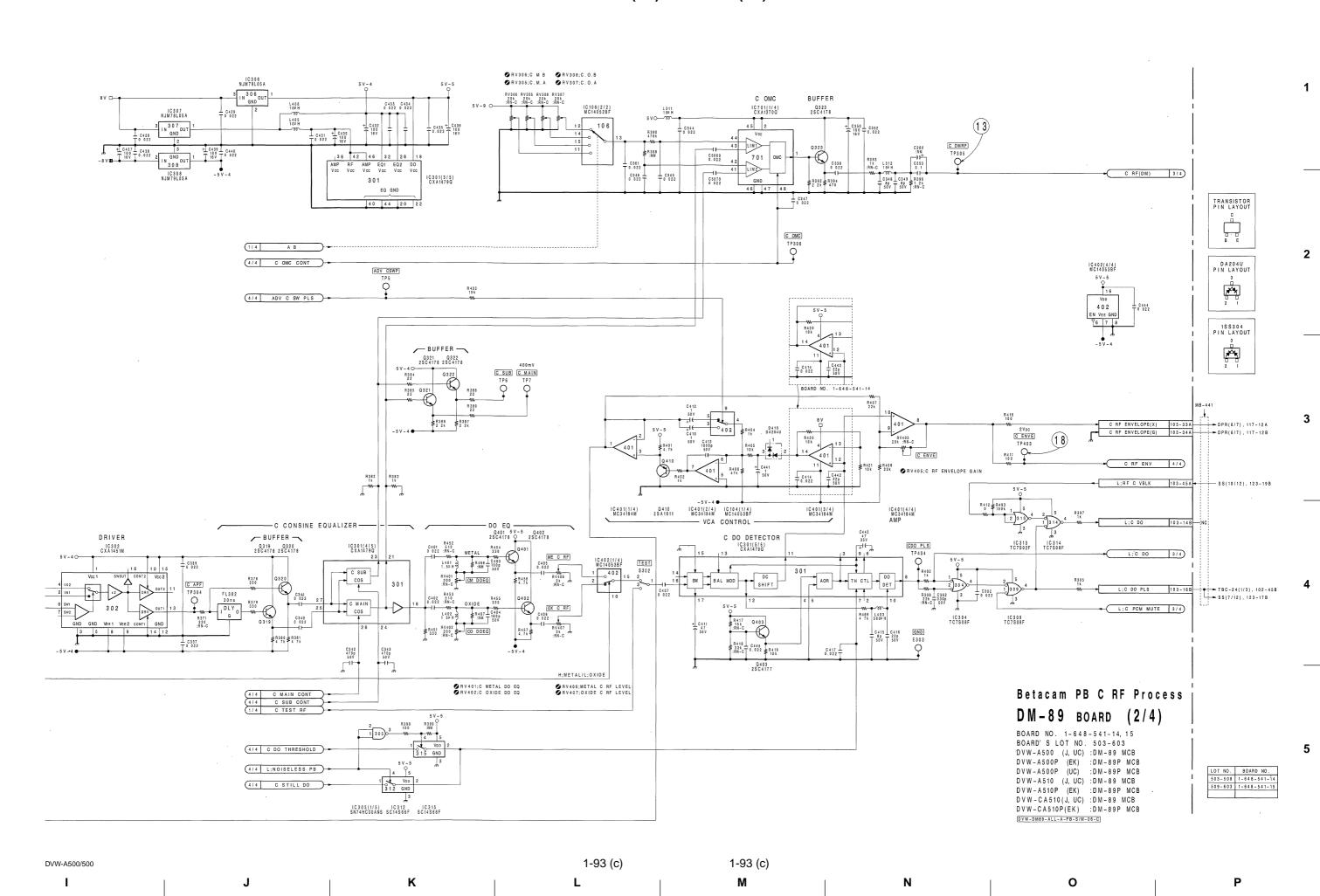
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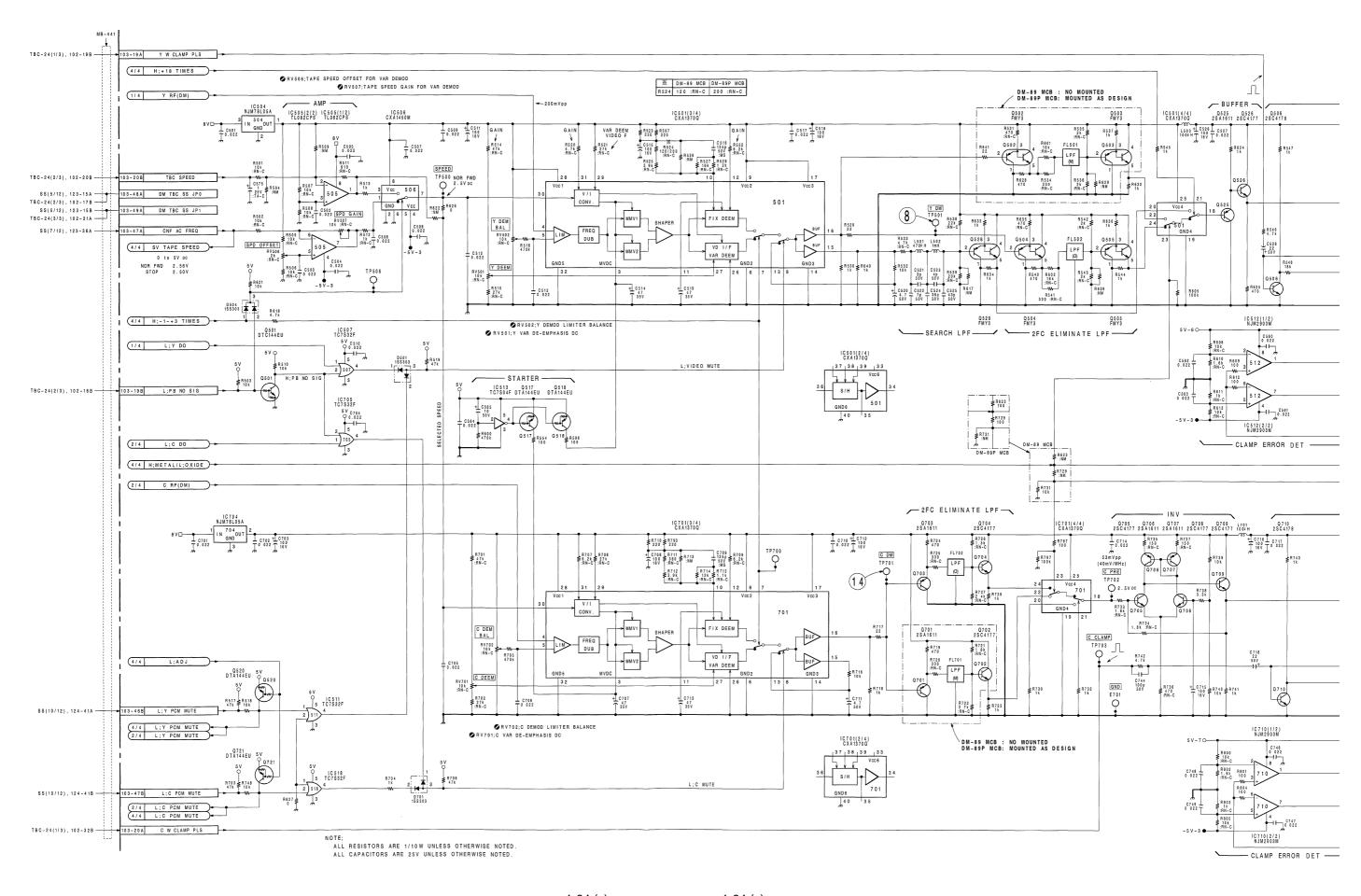
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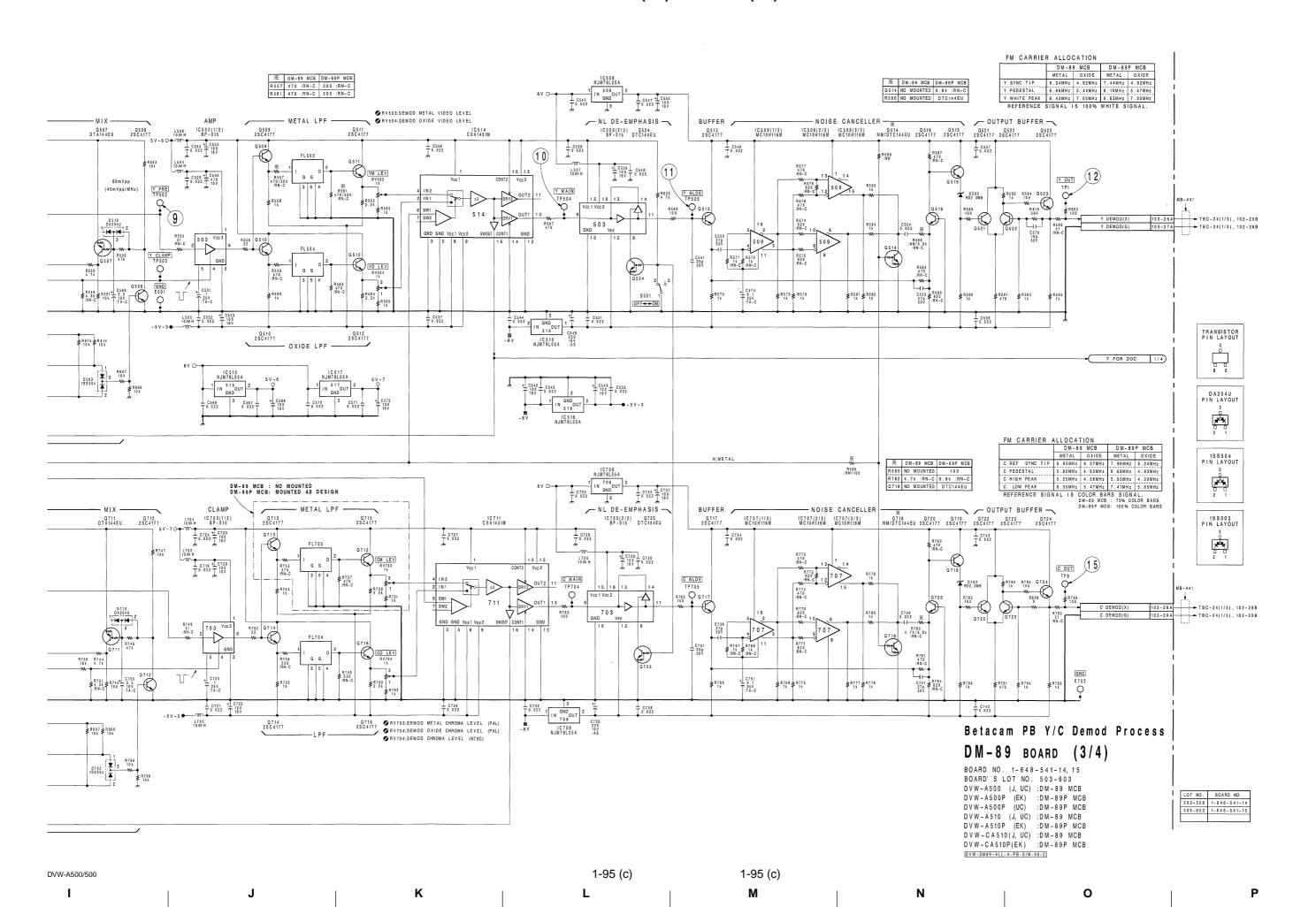
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1-92 (c) 1-92 (c) DVW-A500



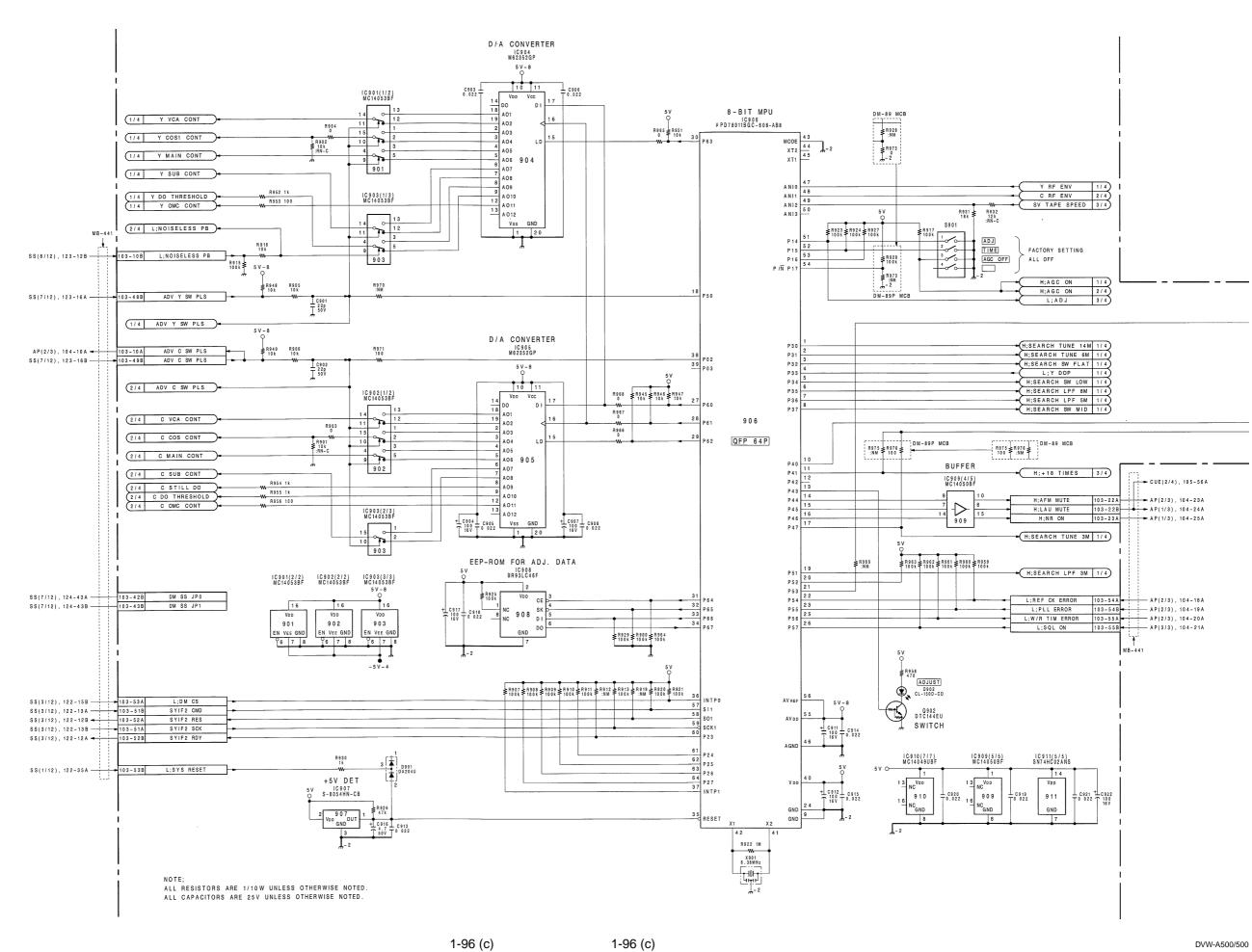




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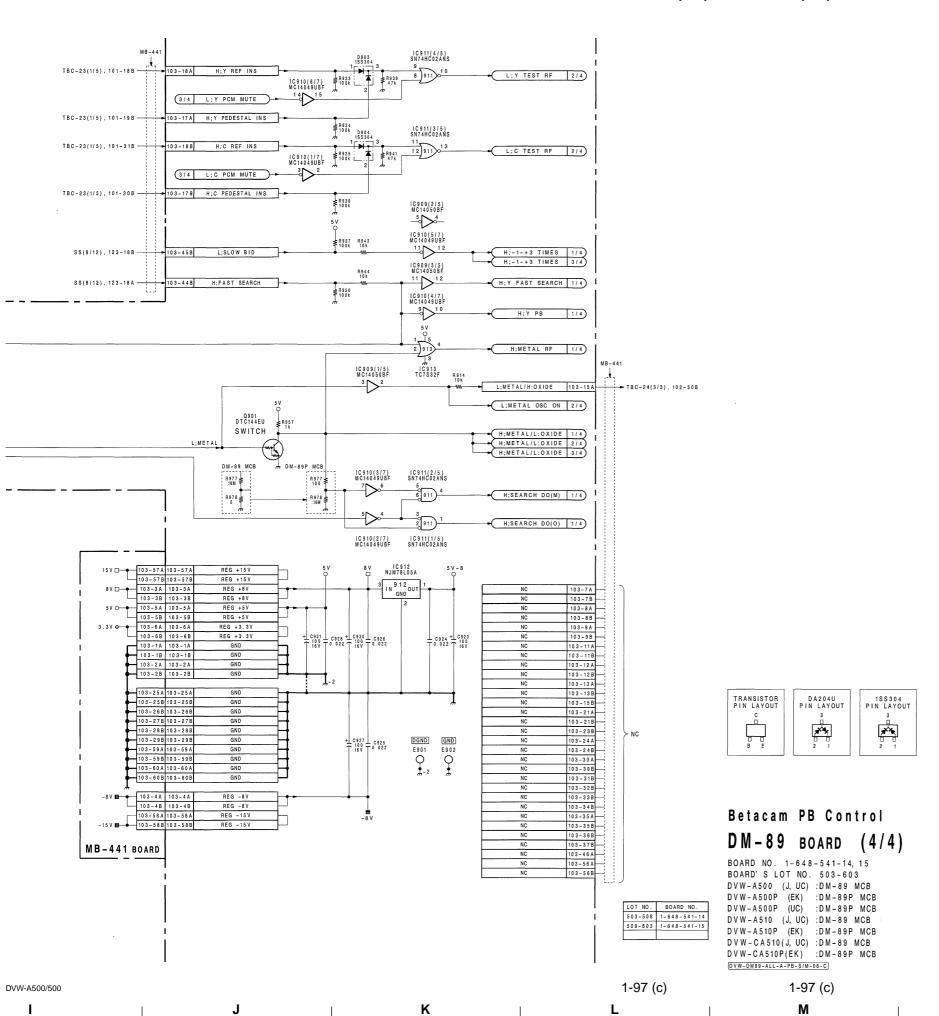
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A B C D E F G H

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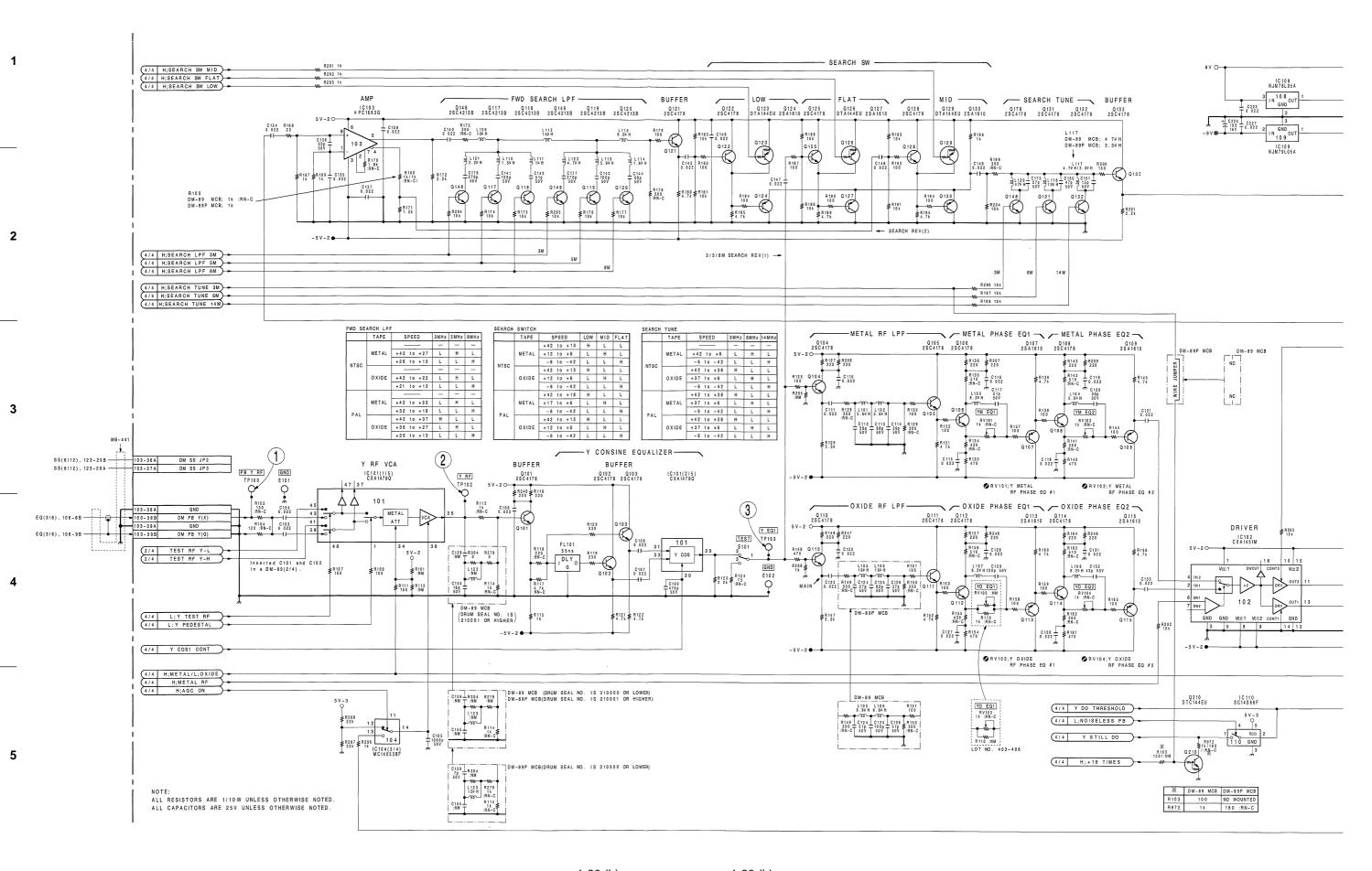
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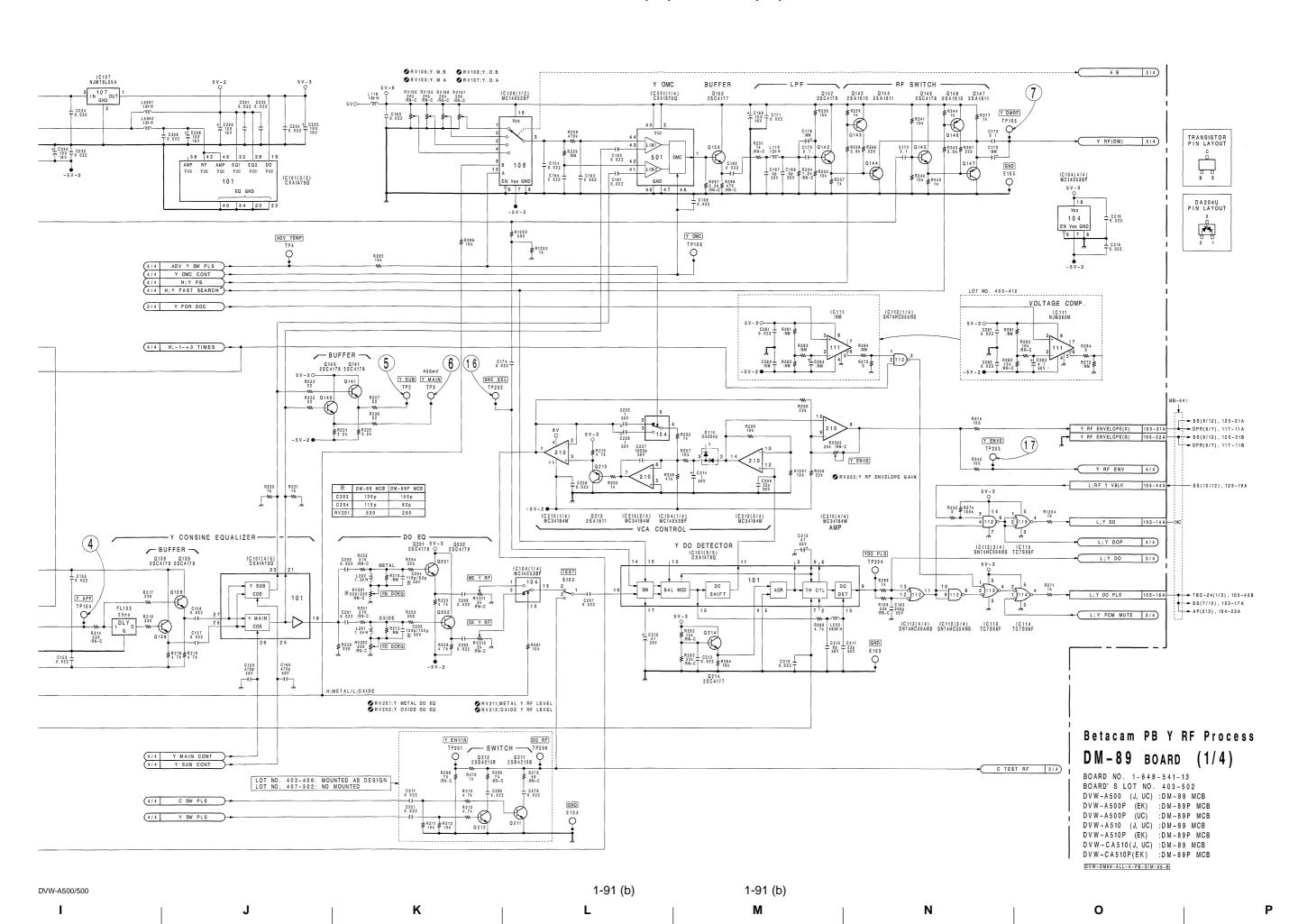
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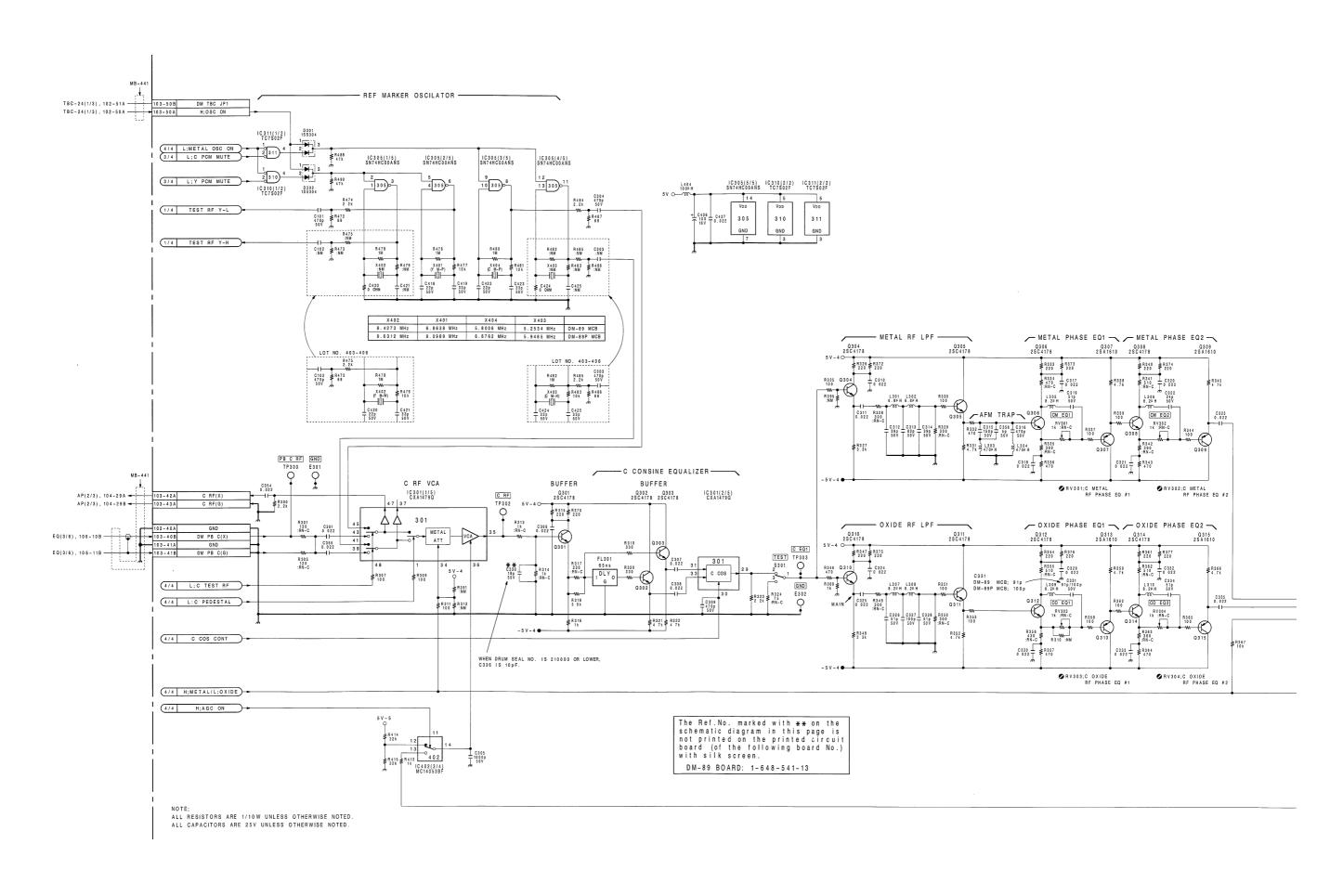




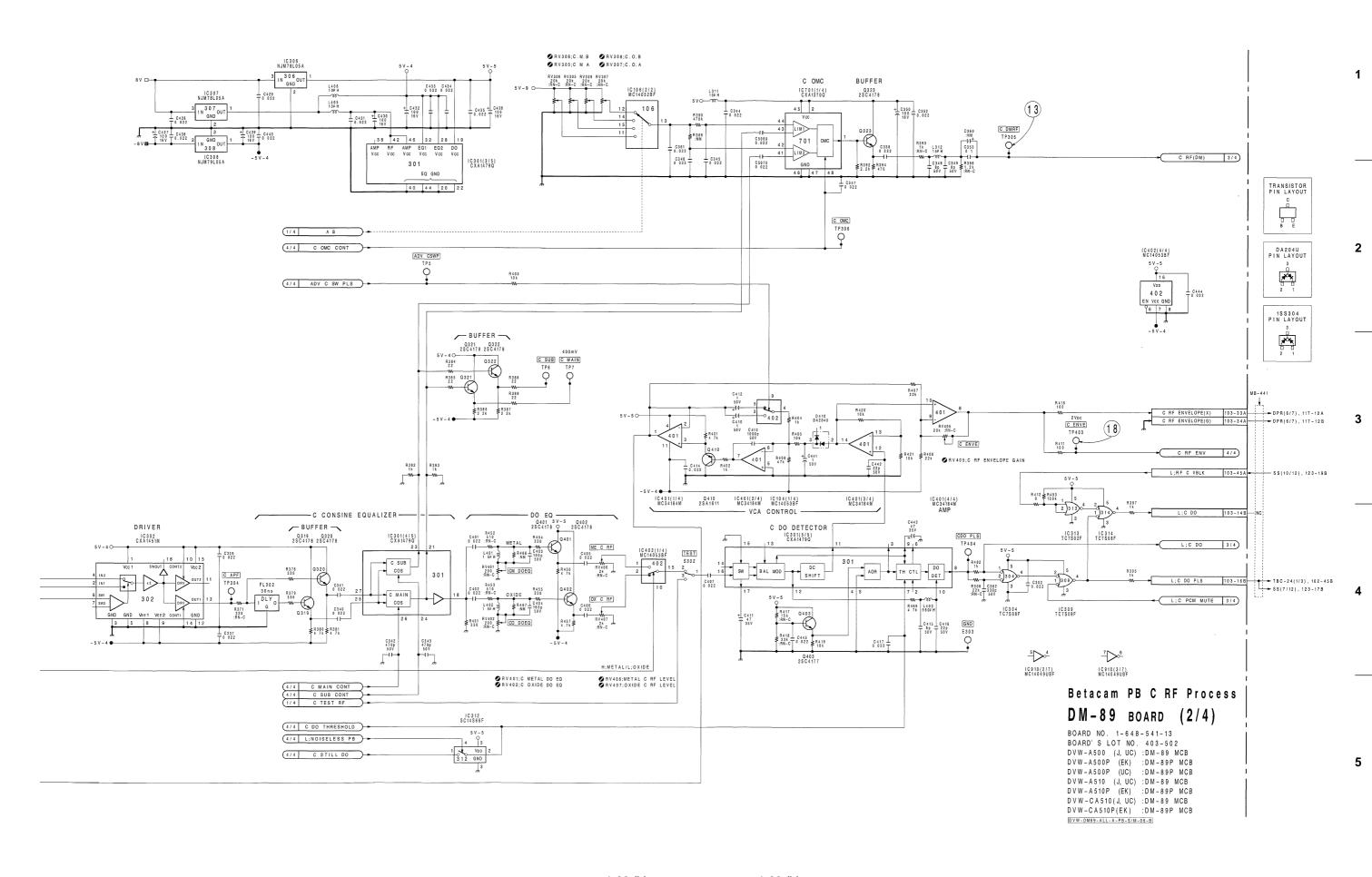
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1-92 (b) 1-92 (b) TVW-A500/500 A B C D E F G H



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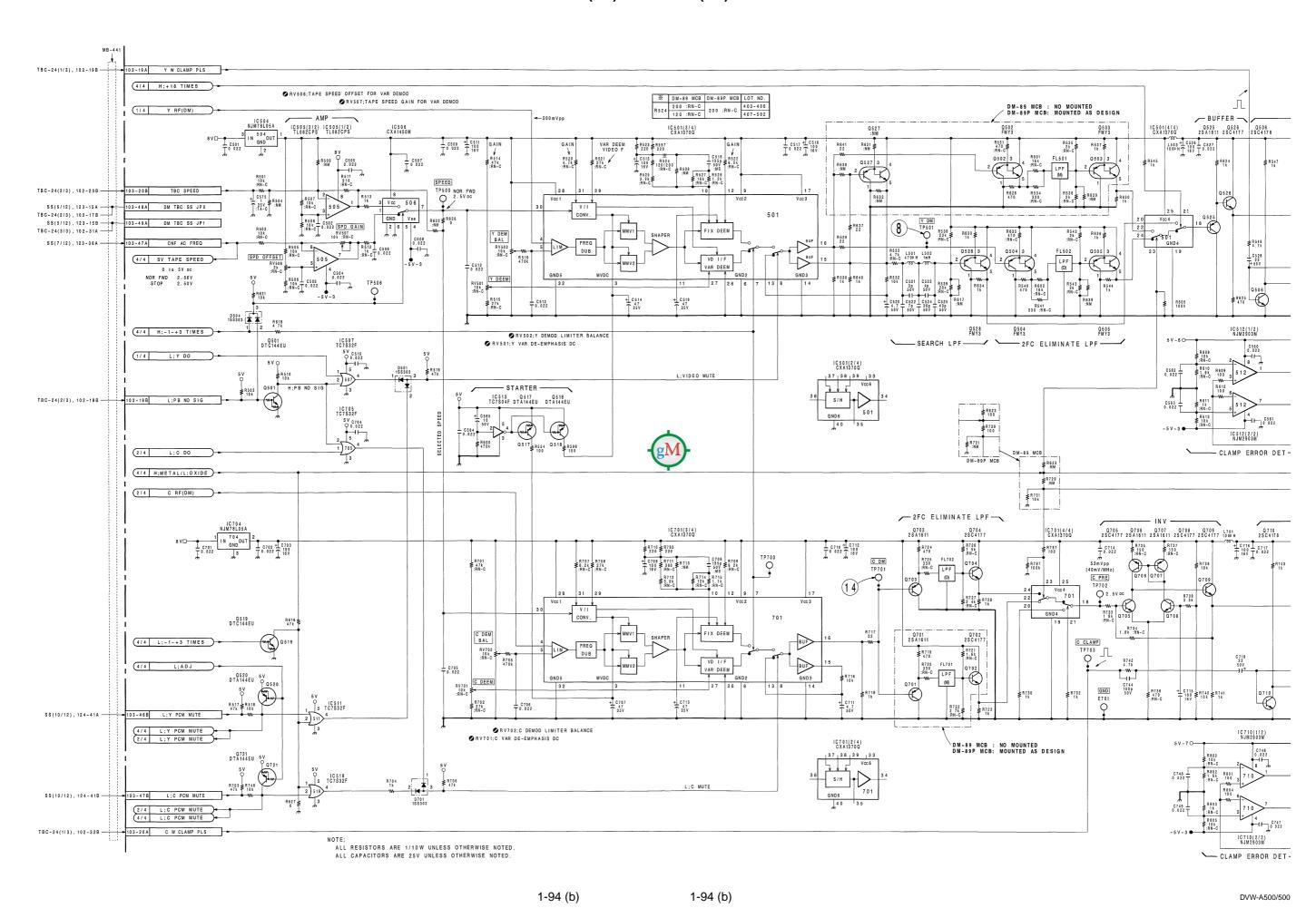
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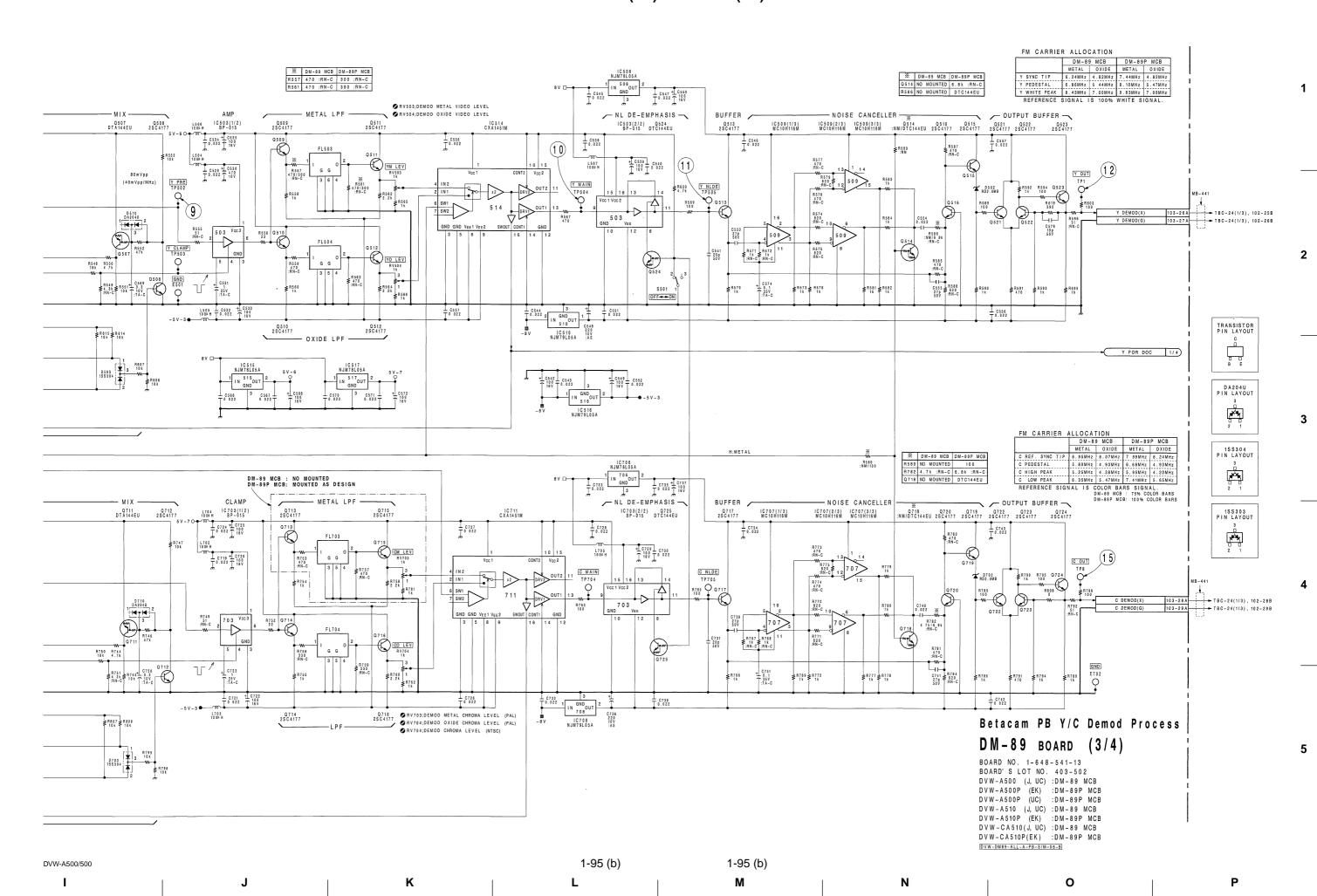
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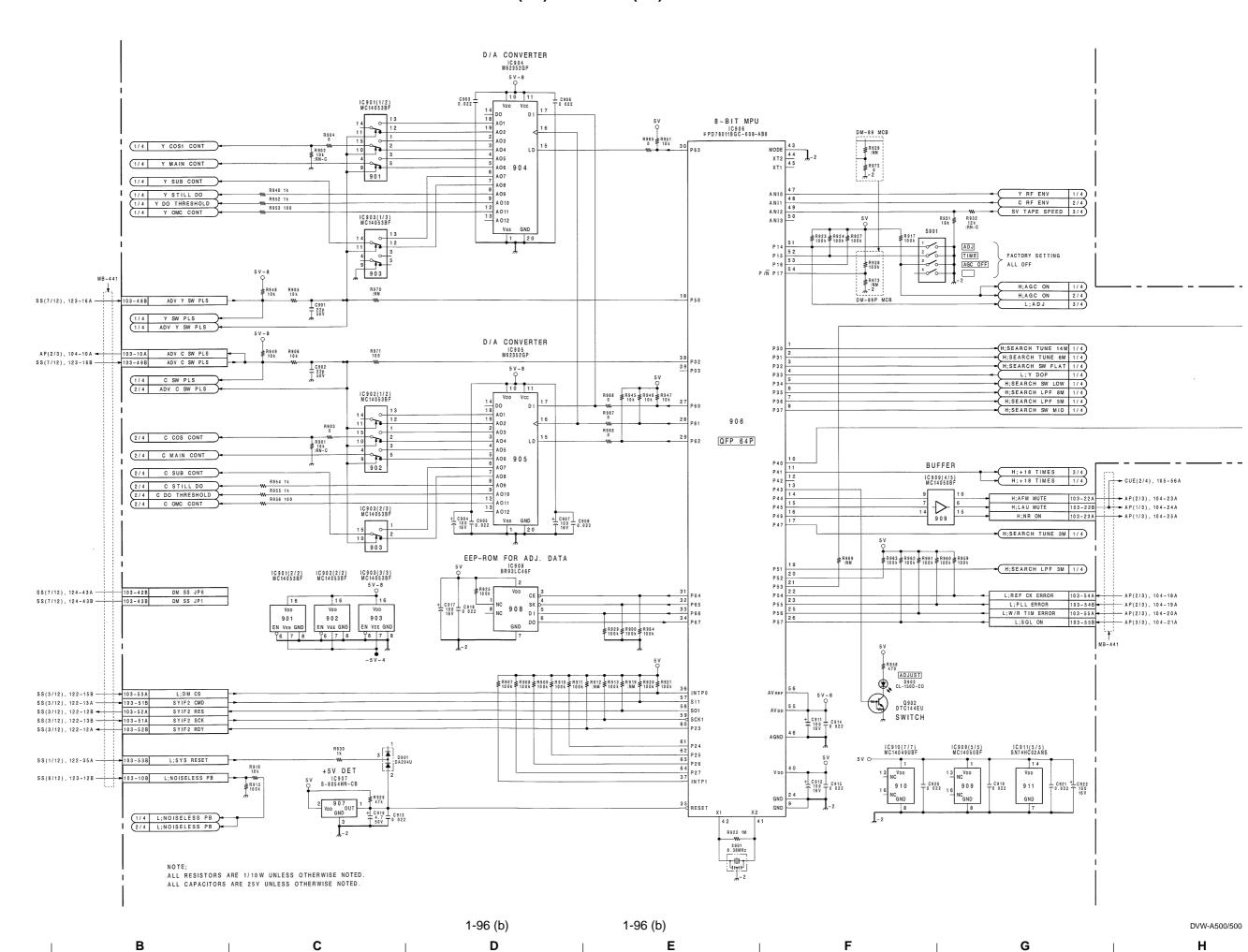
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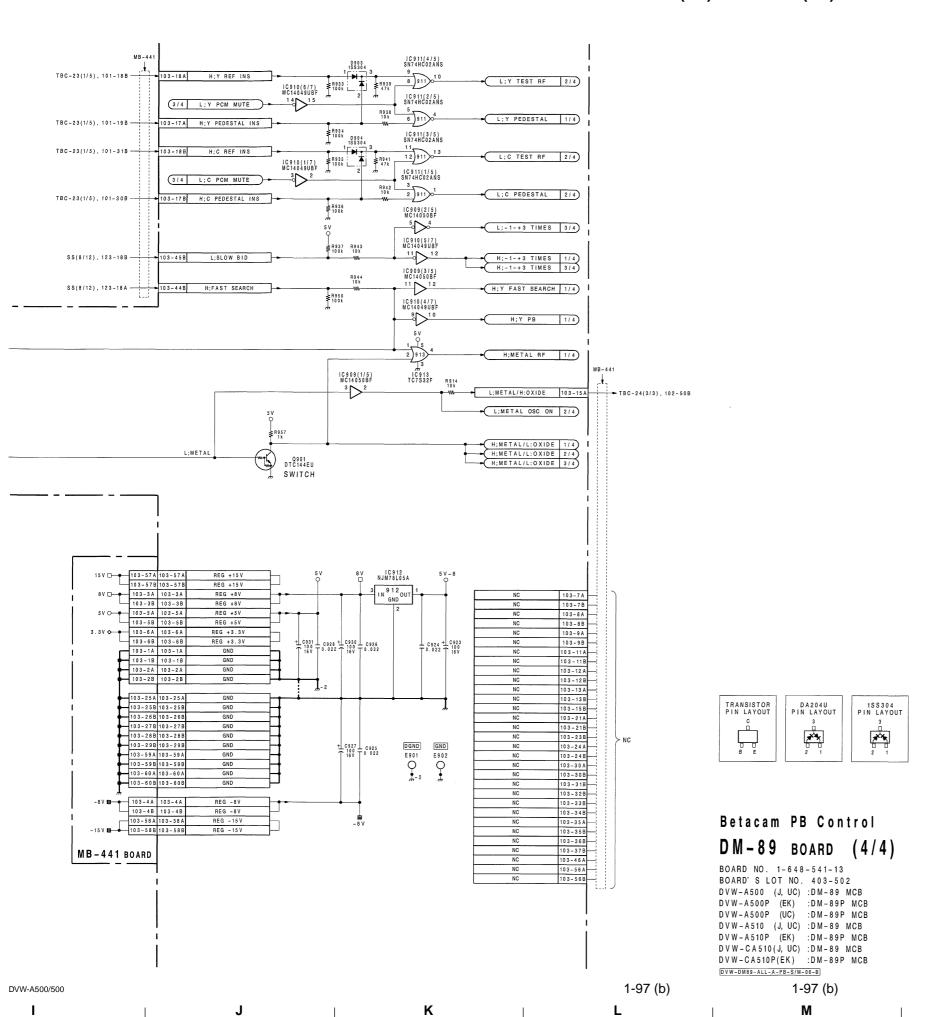
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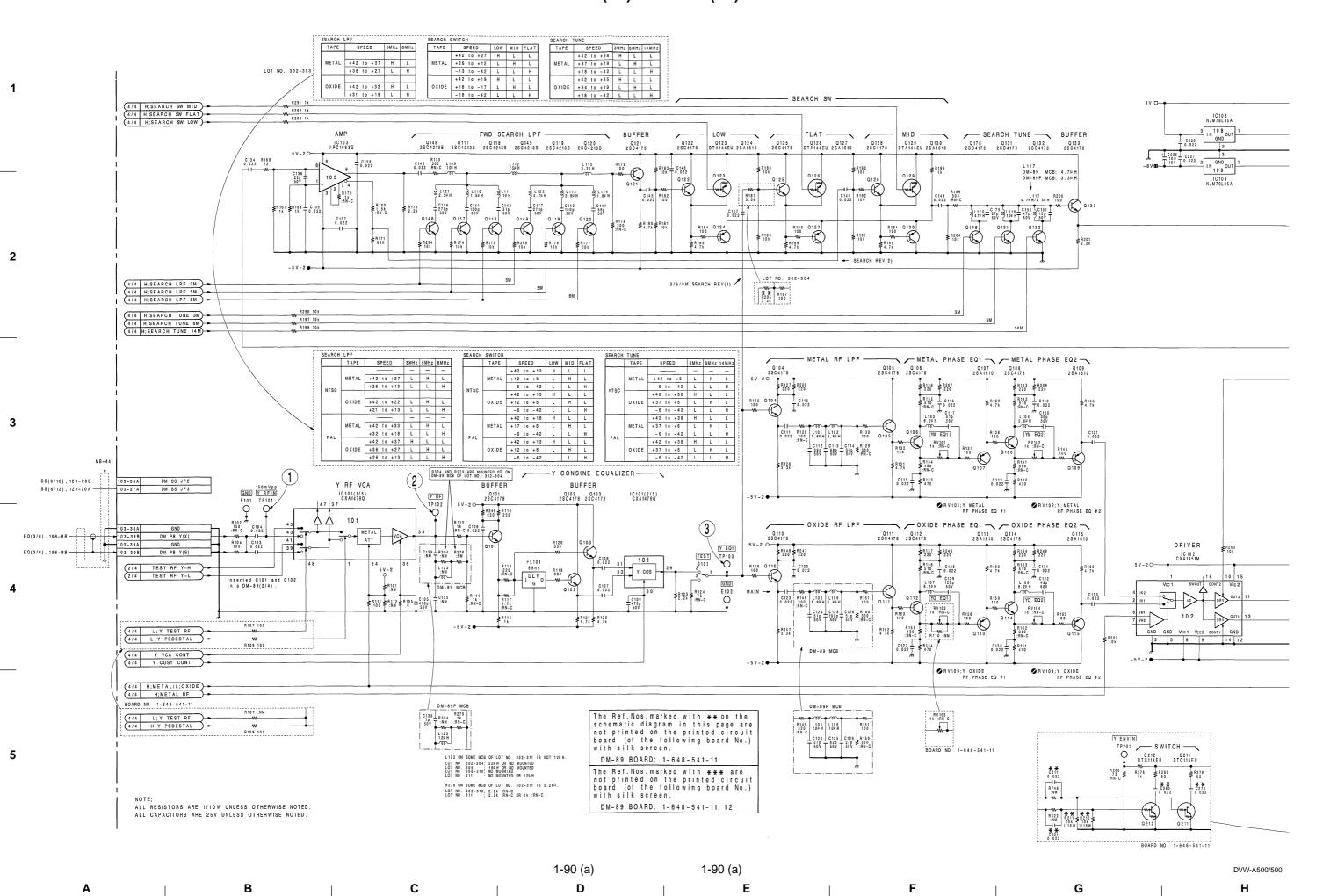
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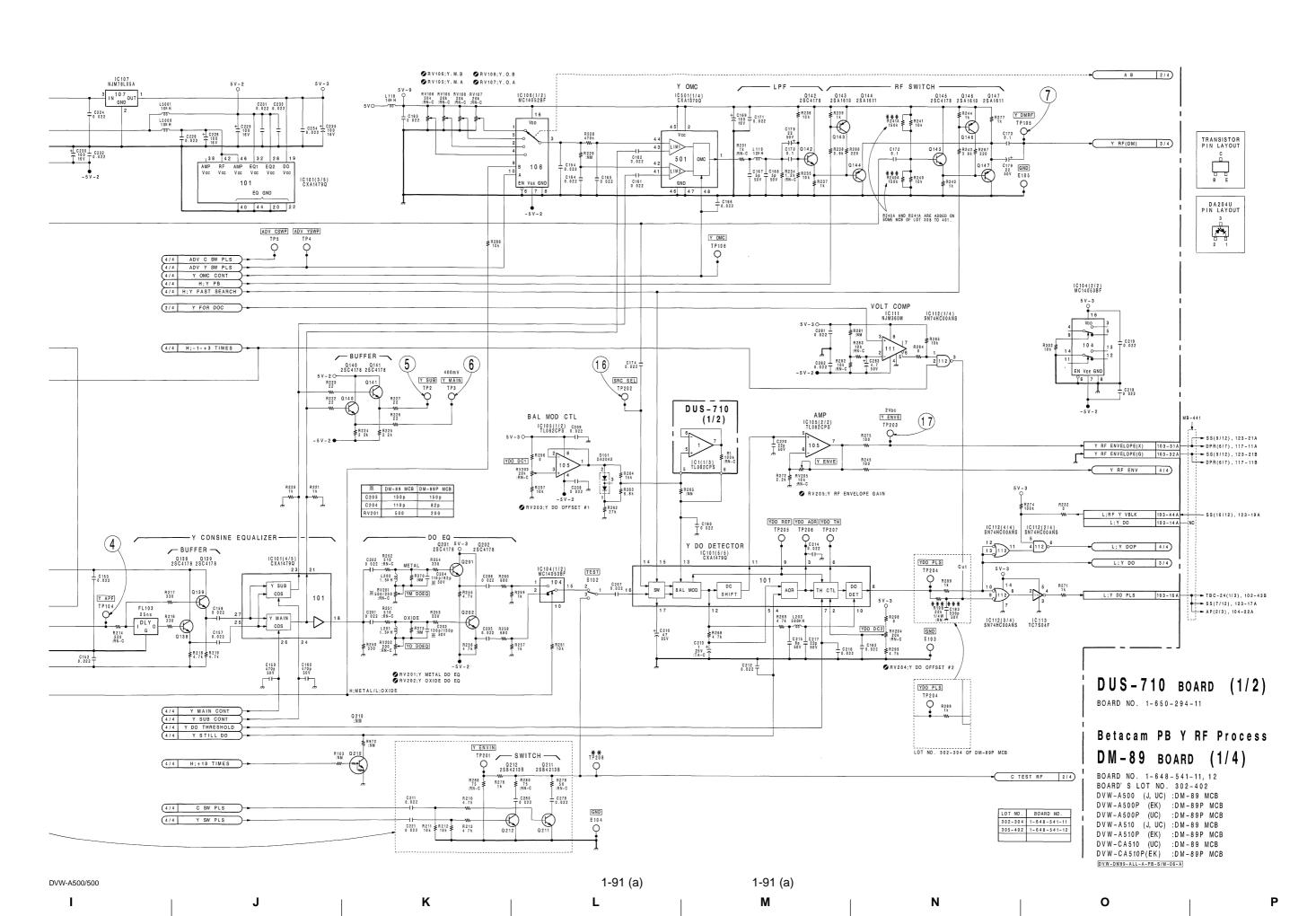




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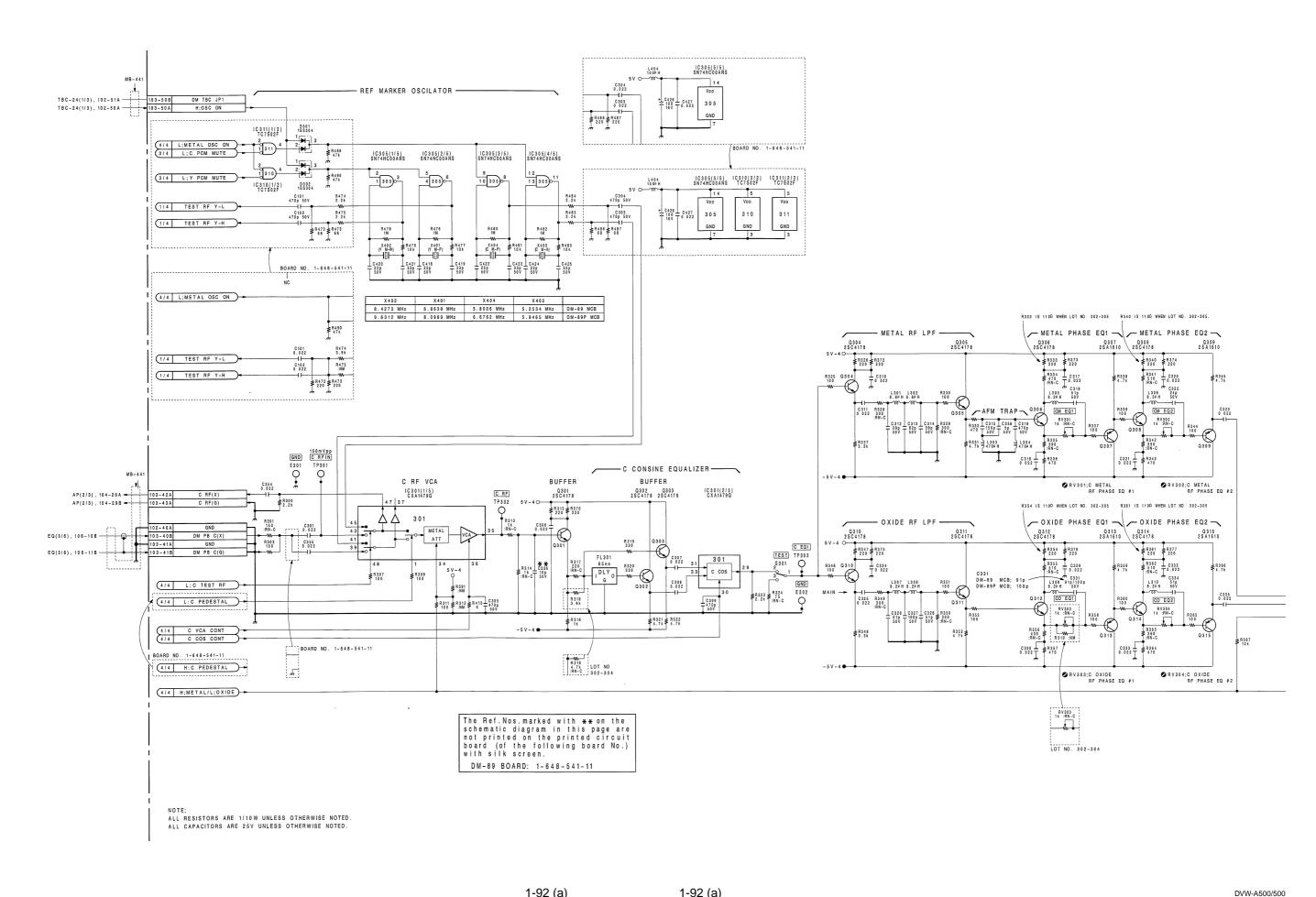




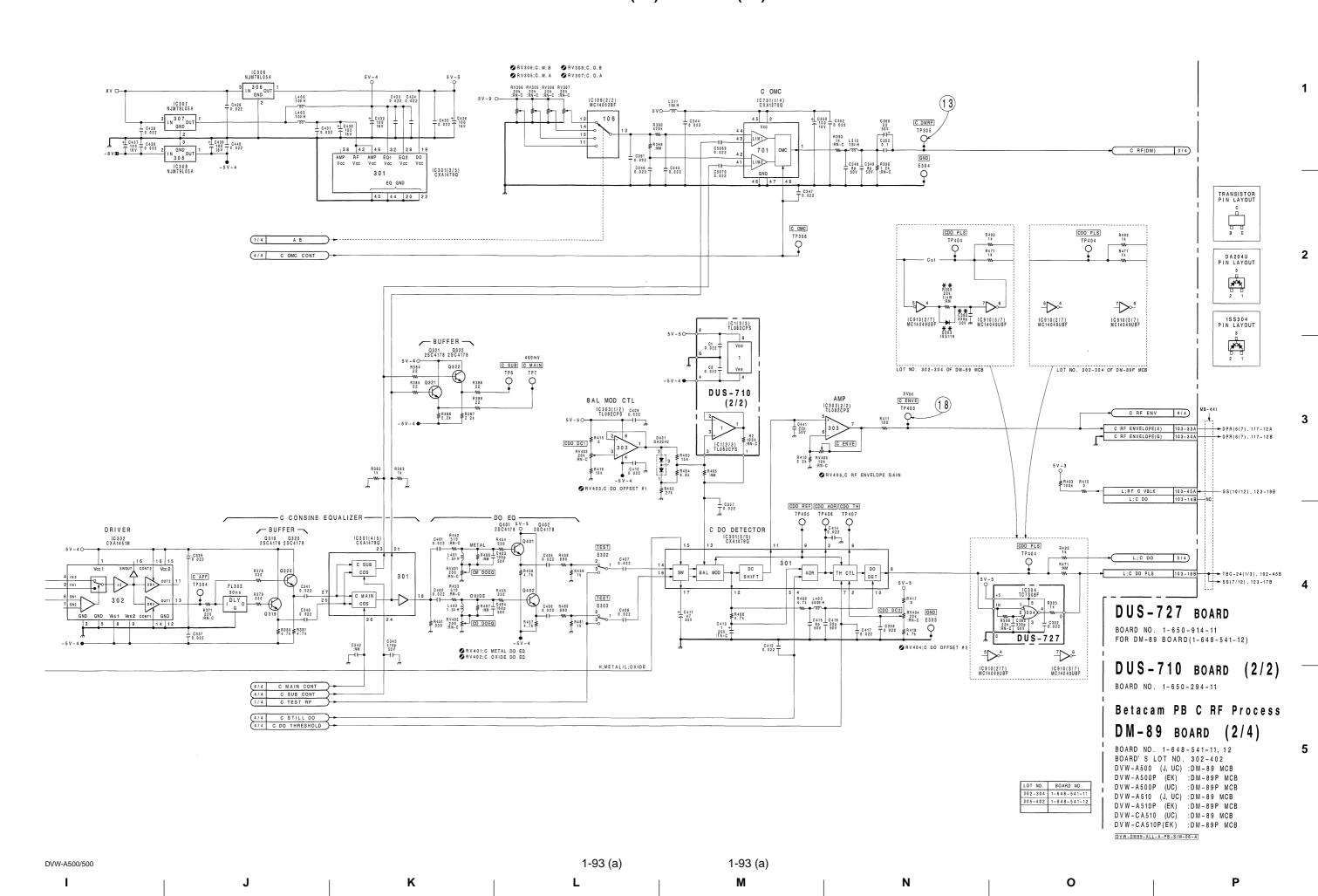
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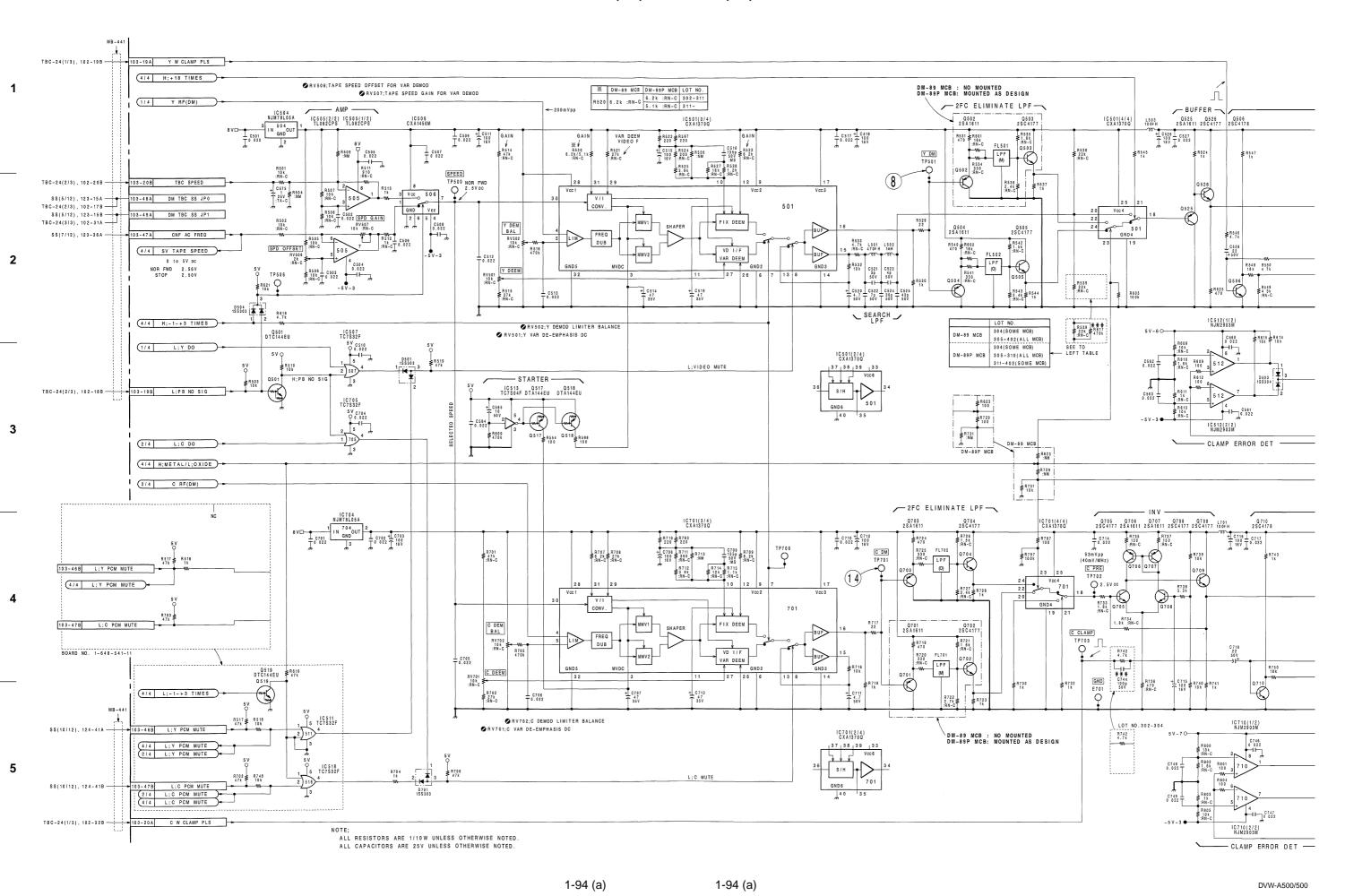
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1-92 (a) 1-92 (a) D E F G H





В

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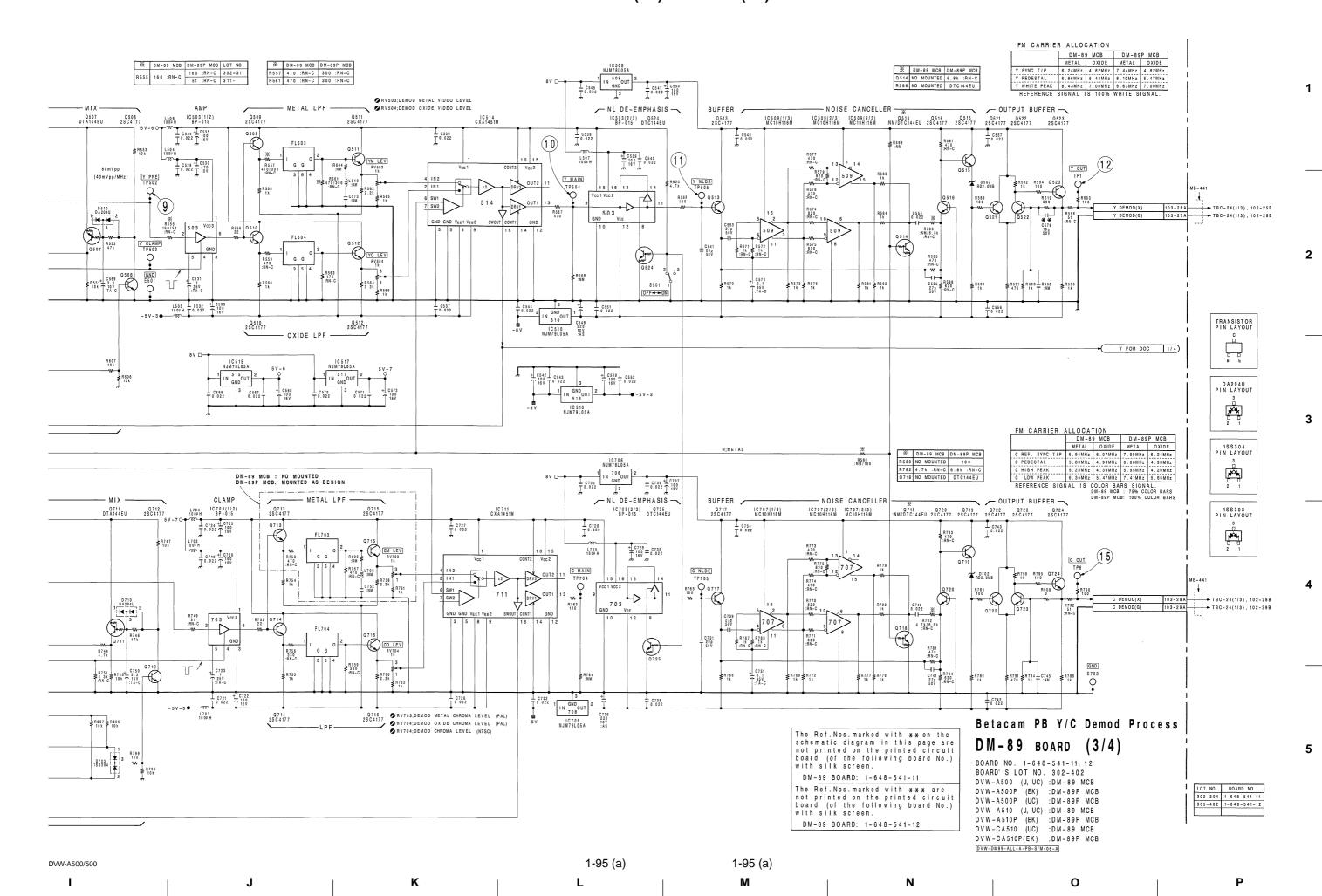
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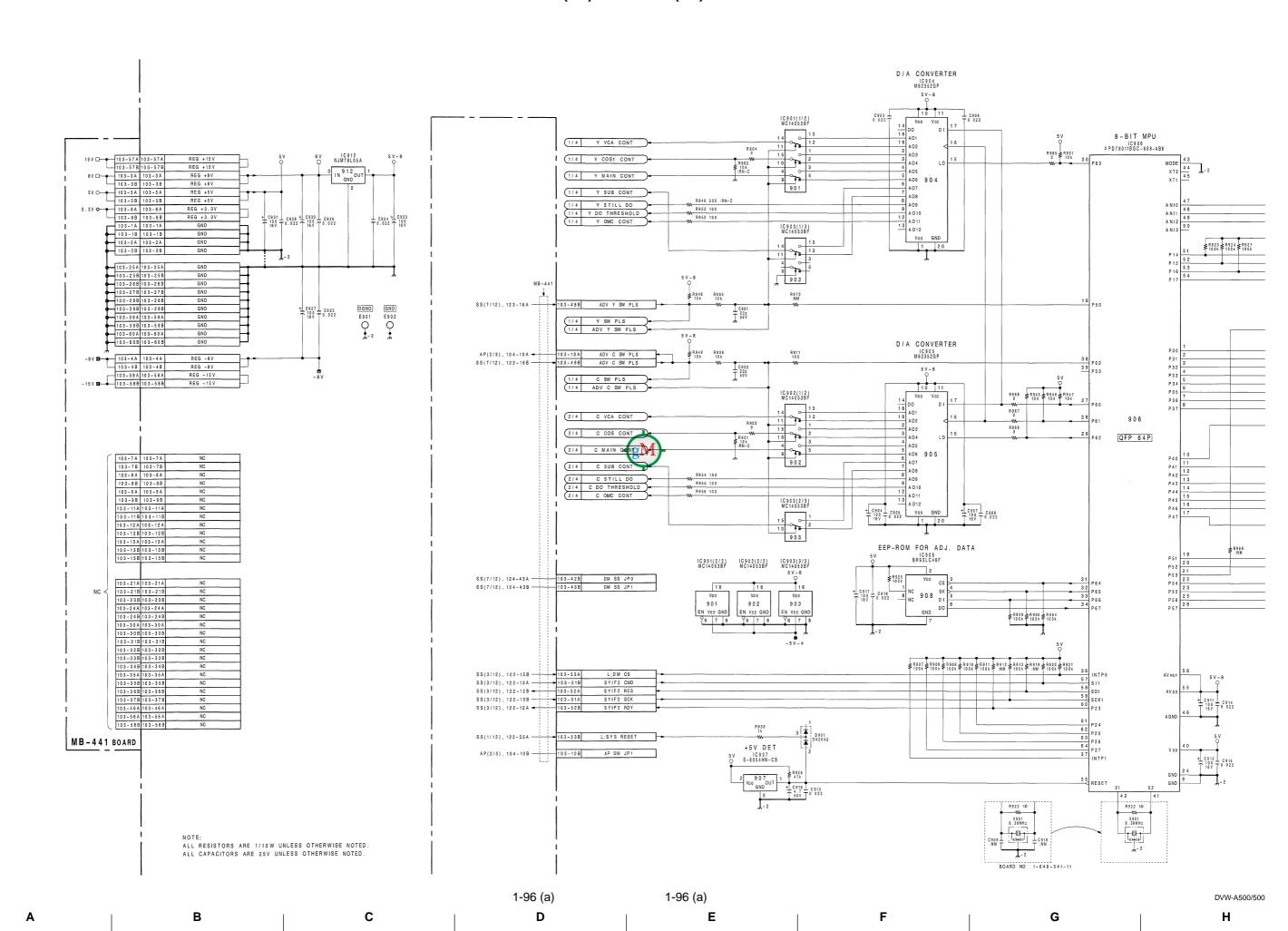
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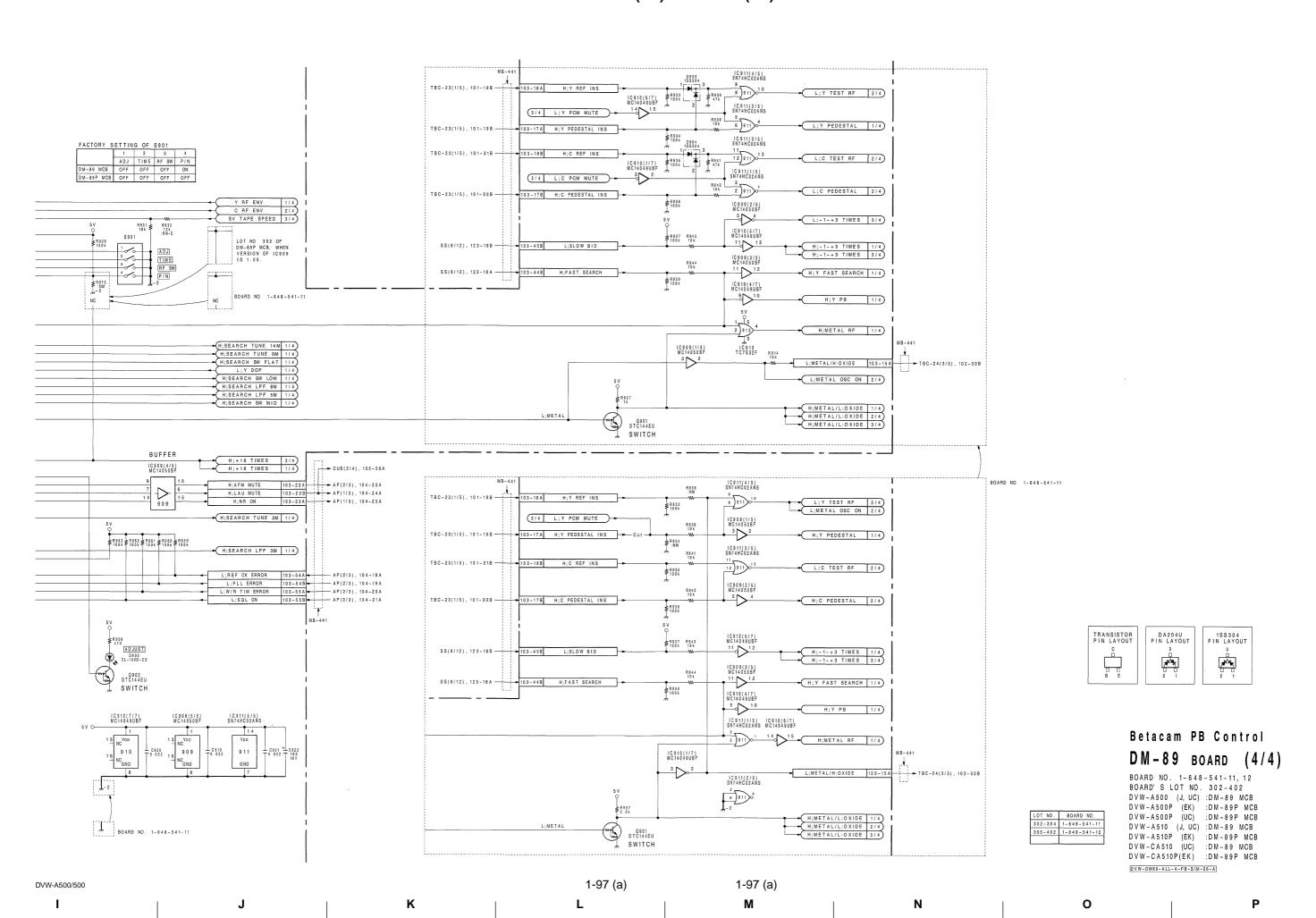
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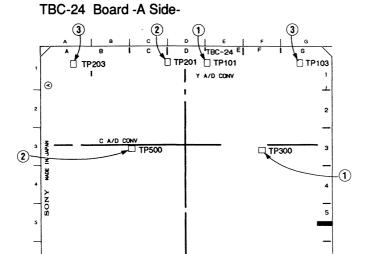
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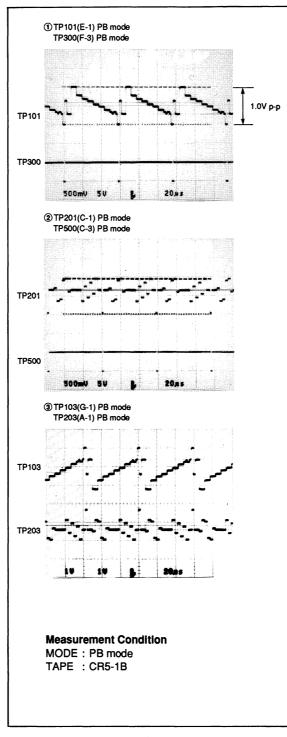


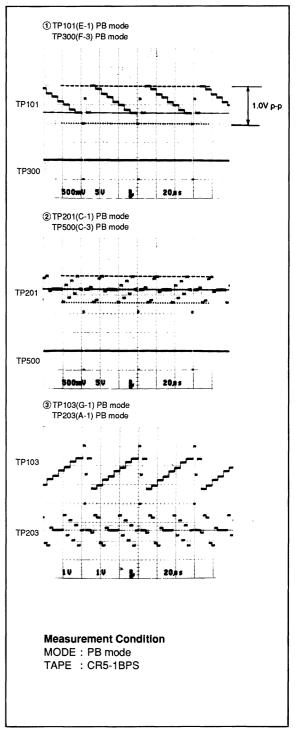




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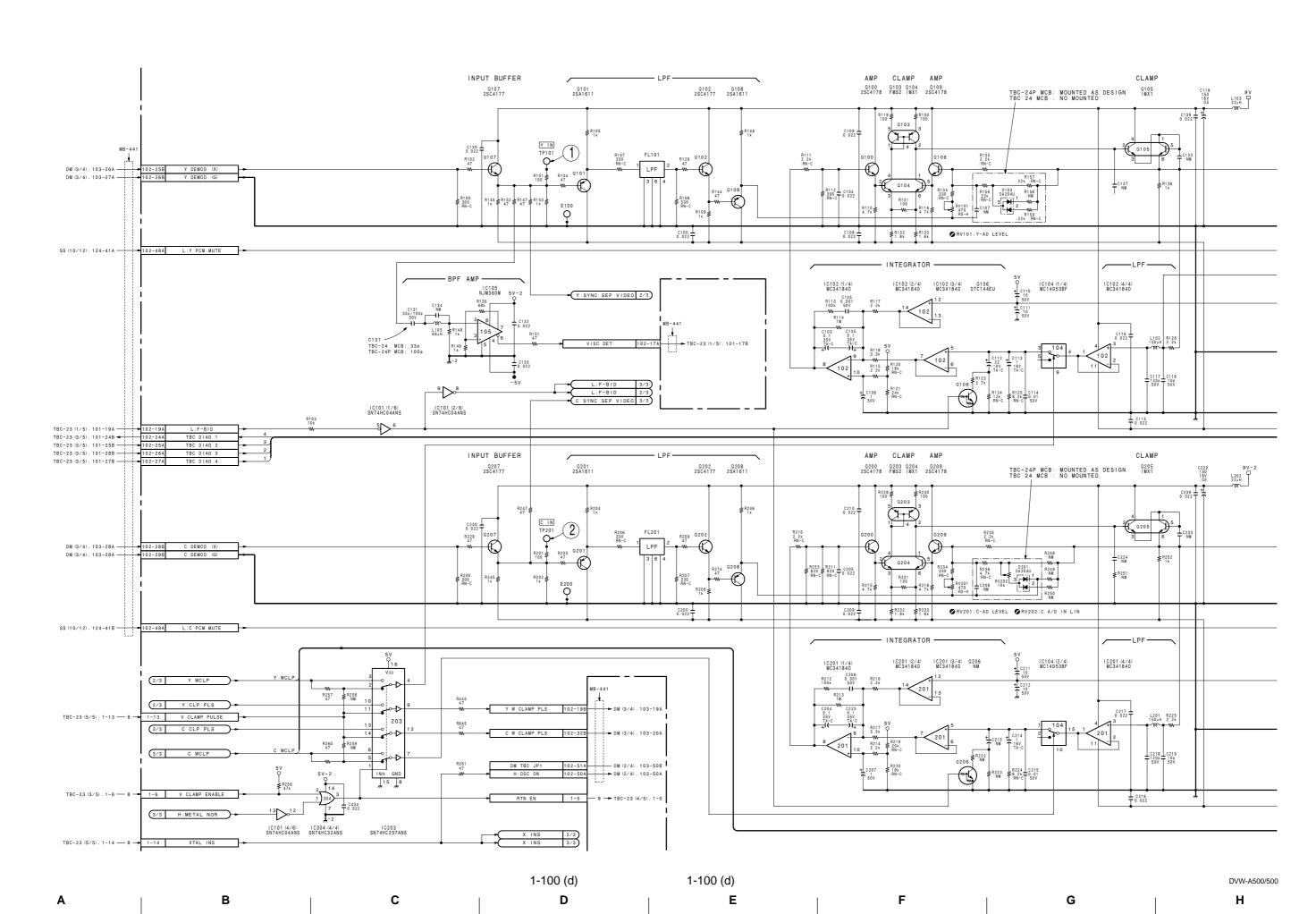
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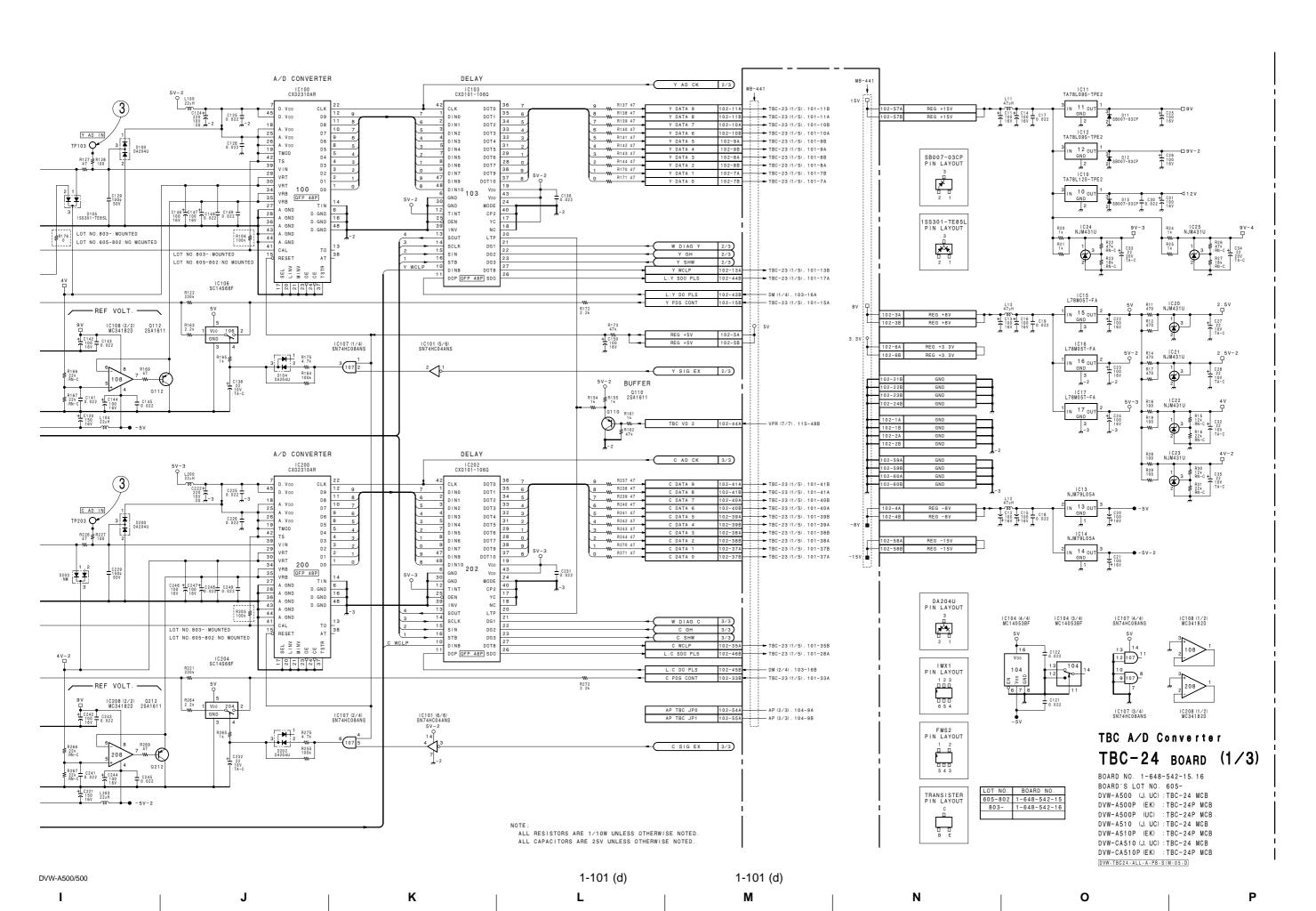


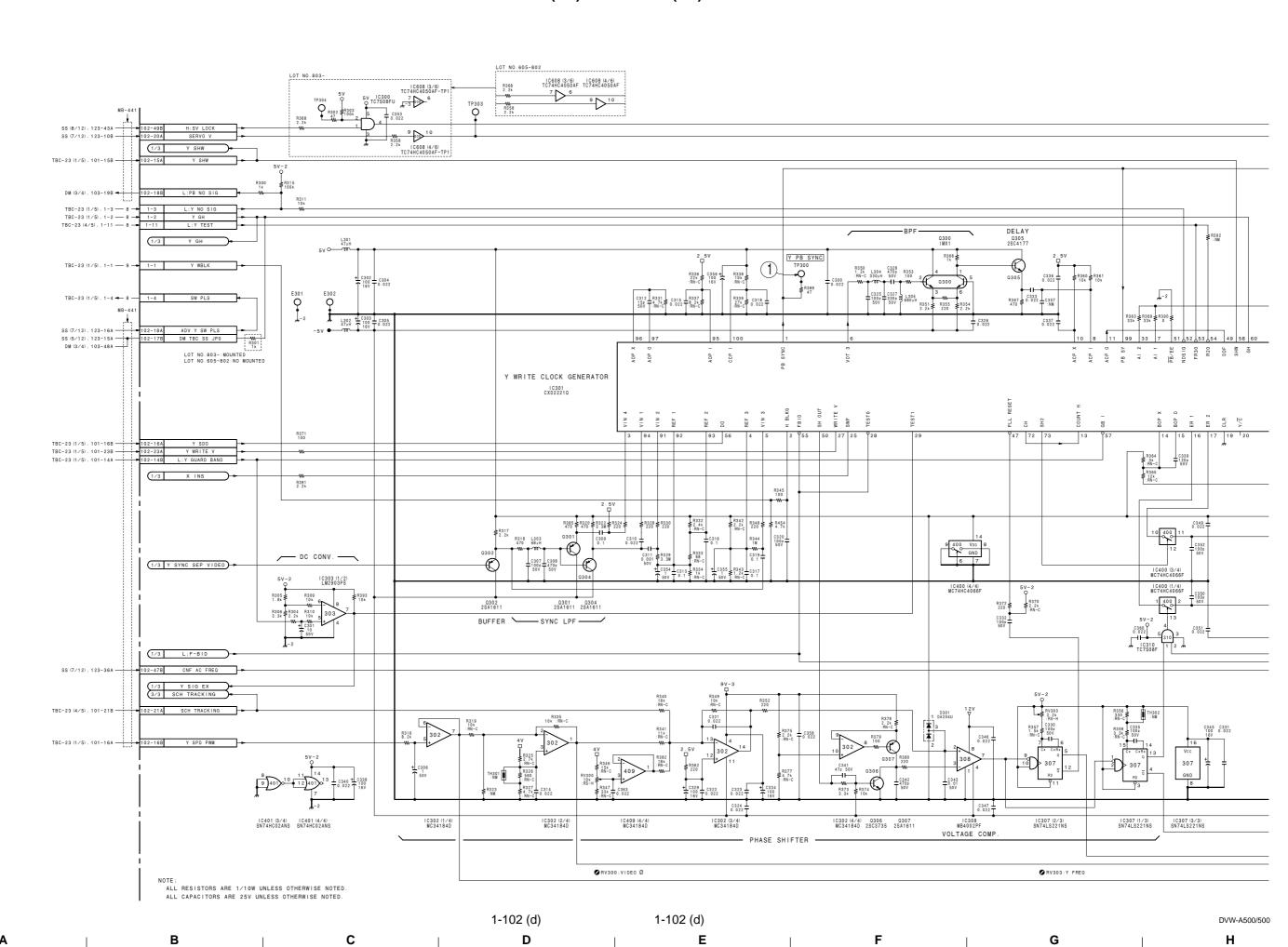


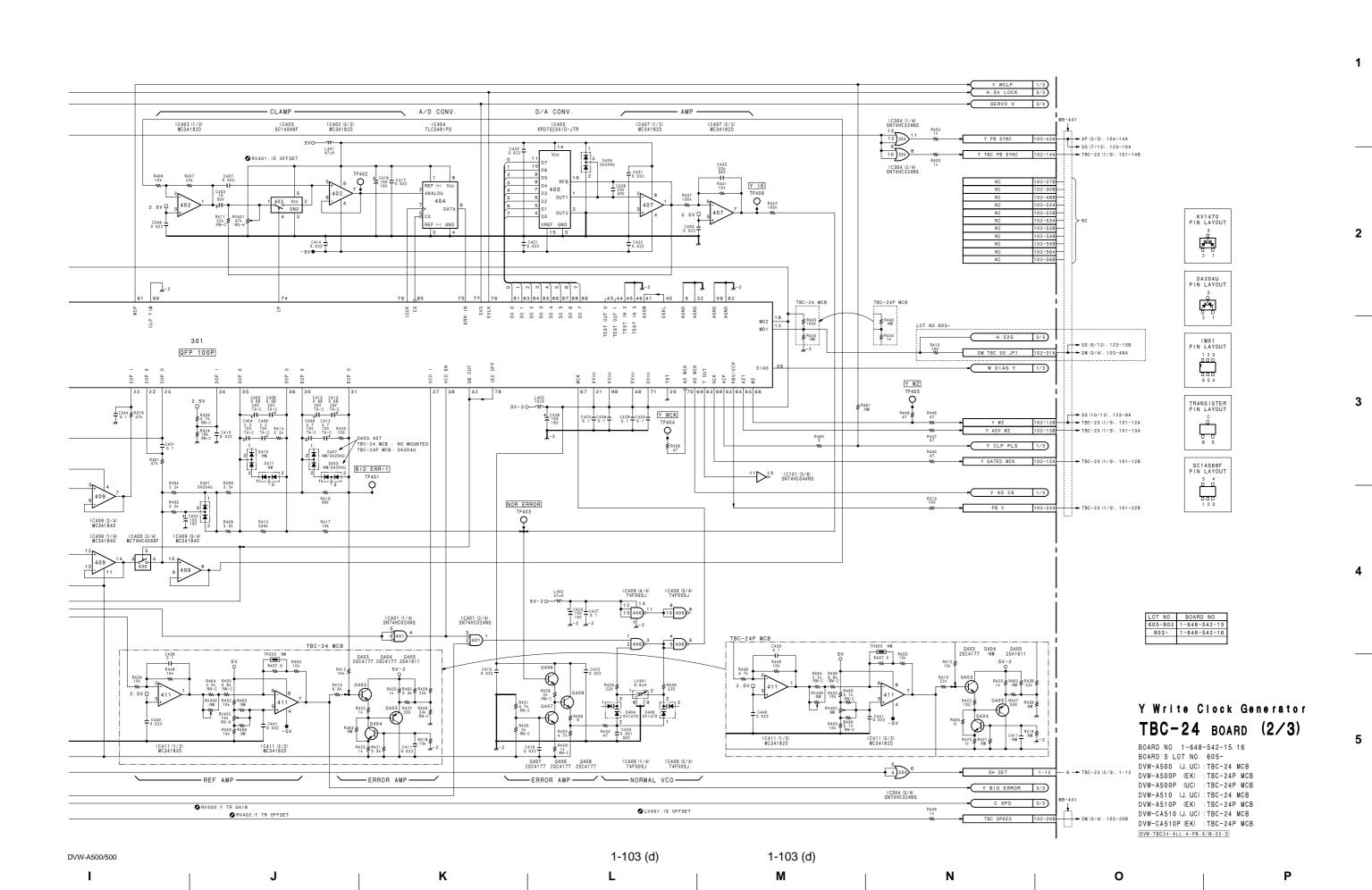
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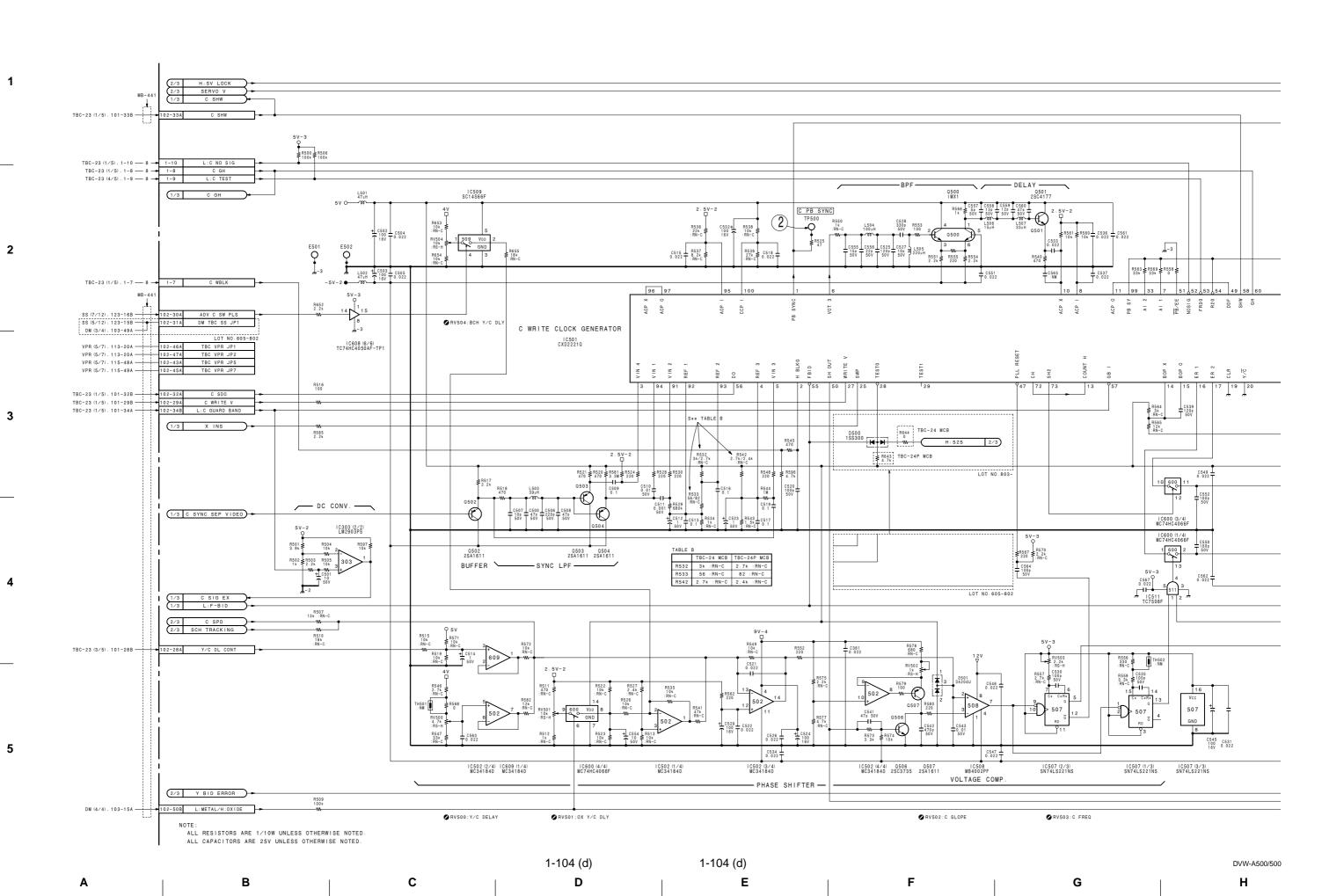
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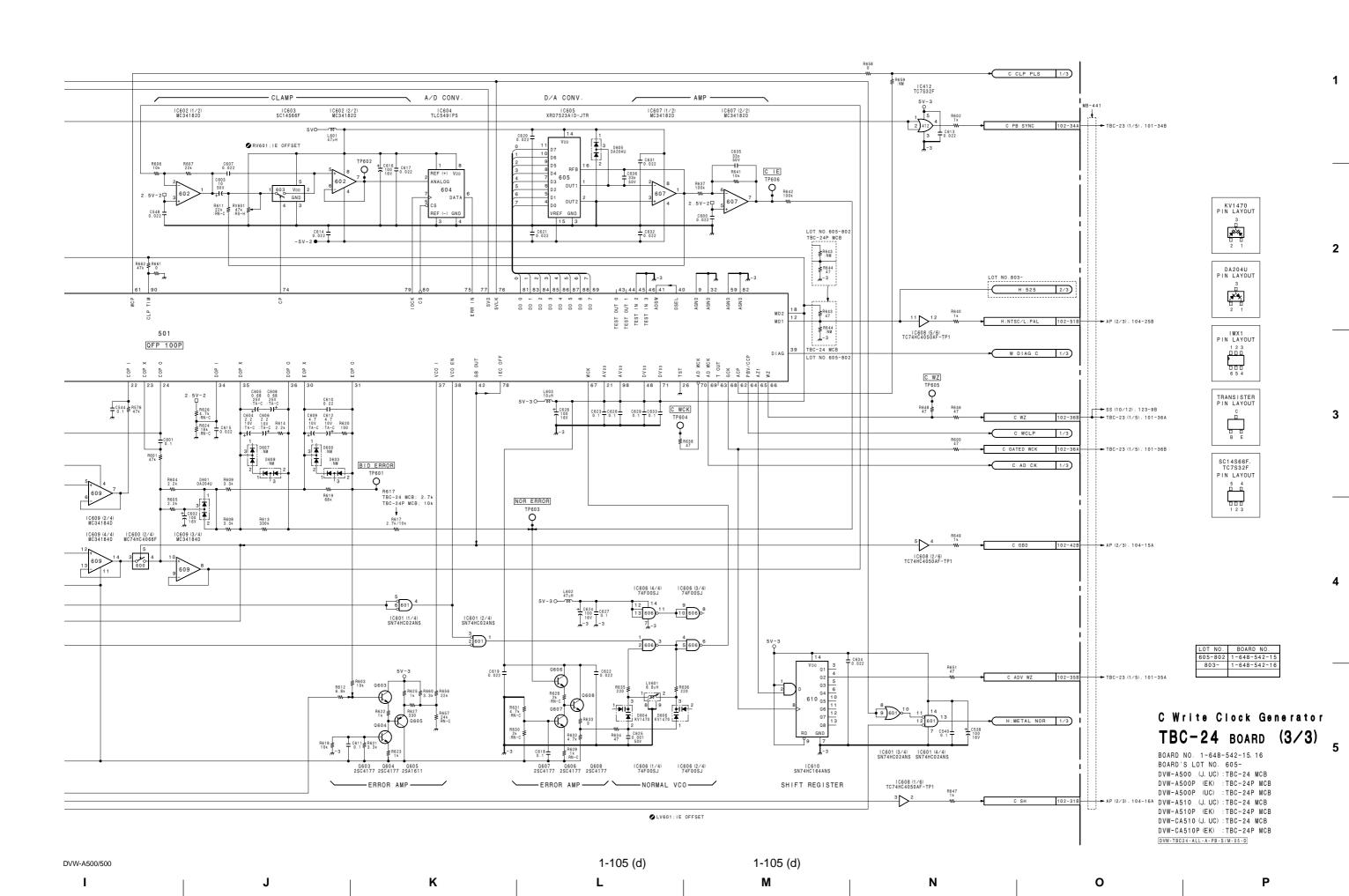


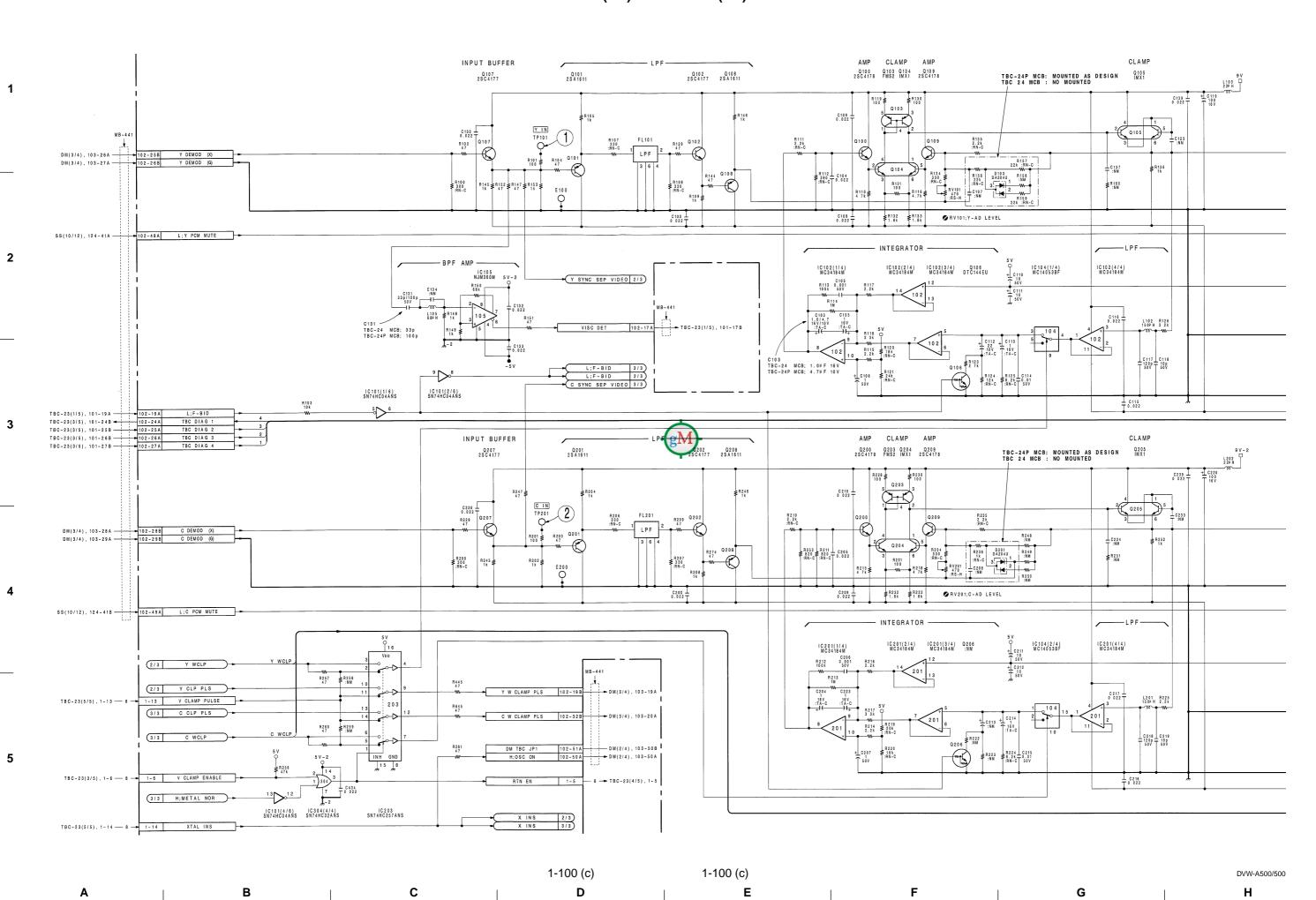


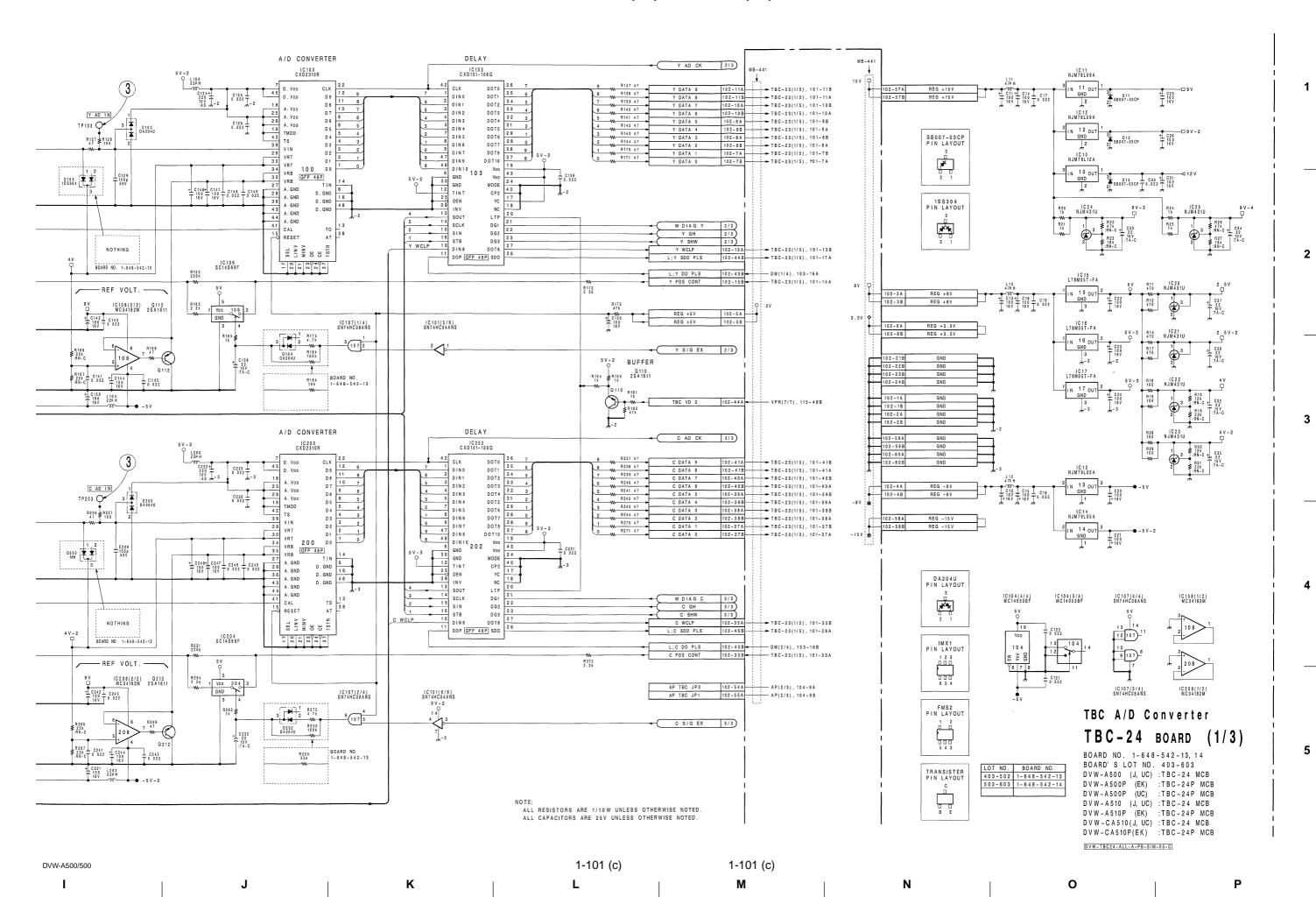


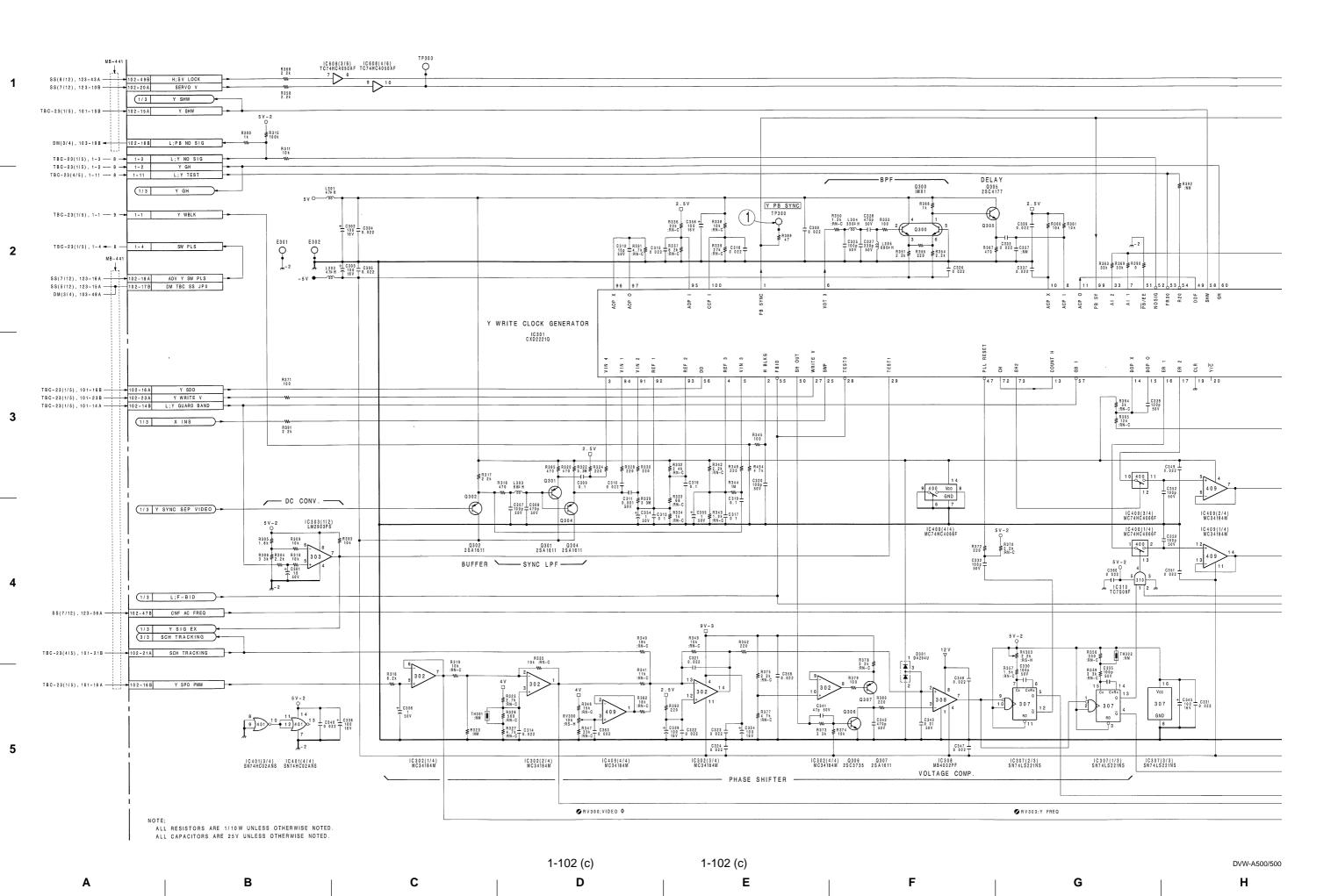


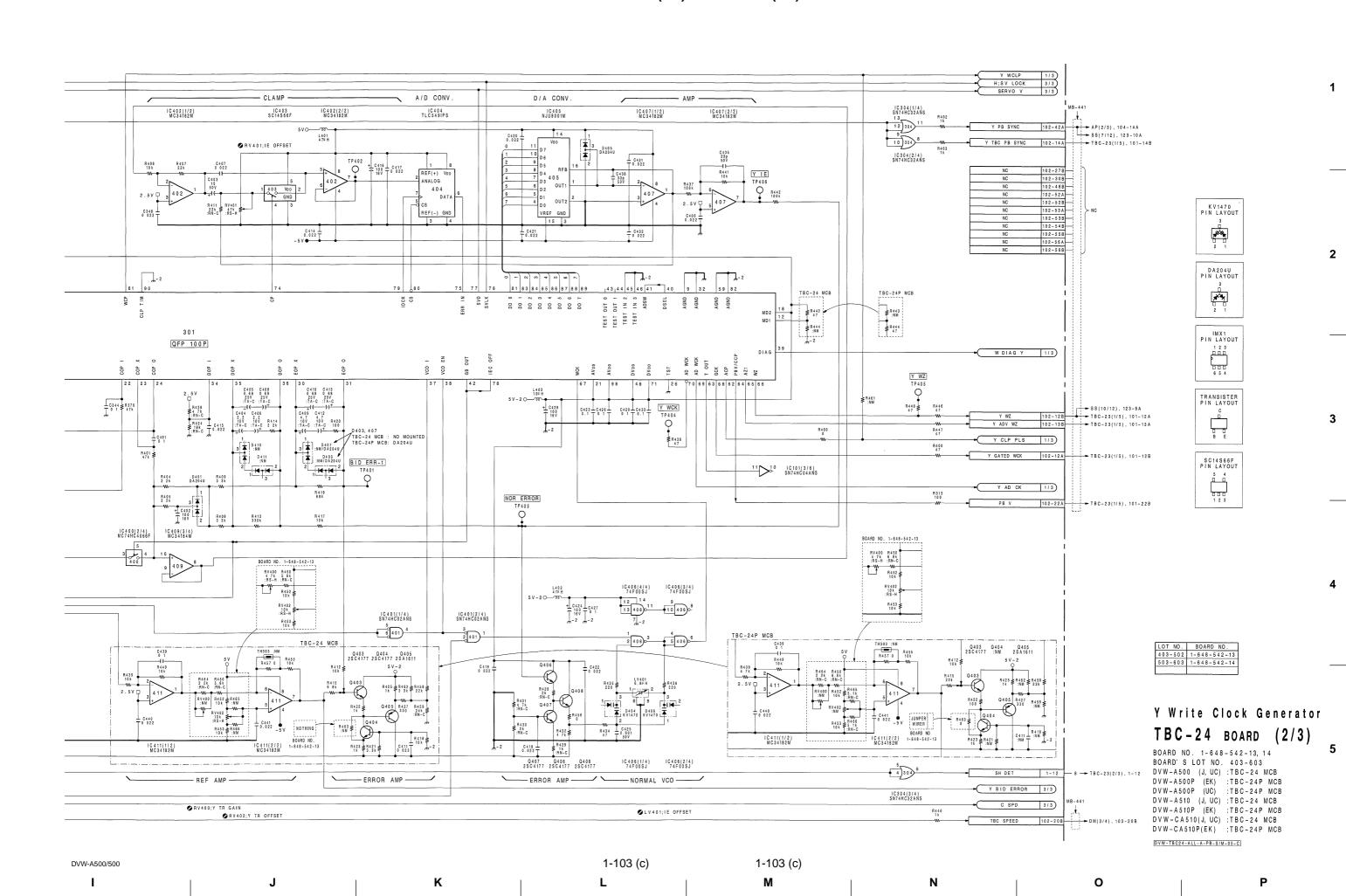


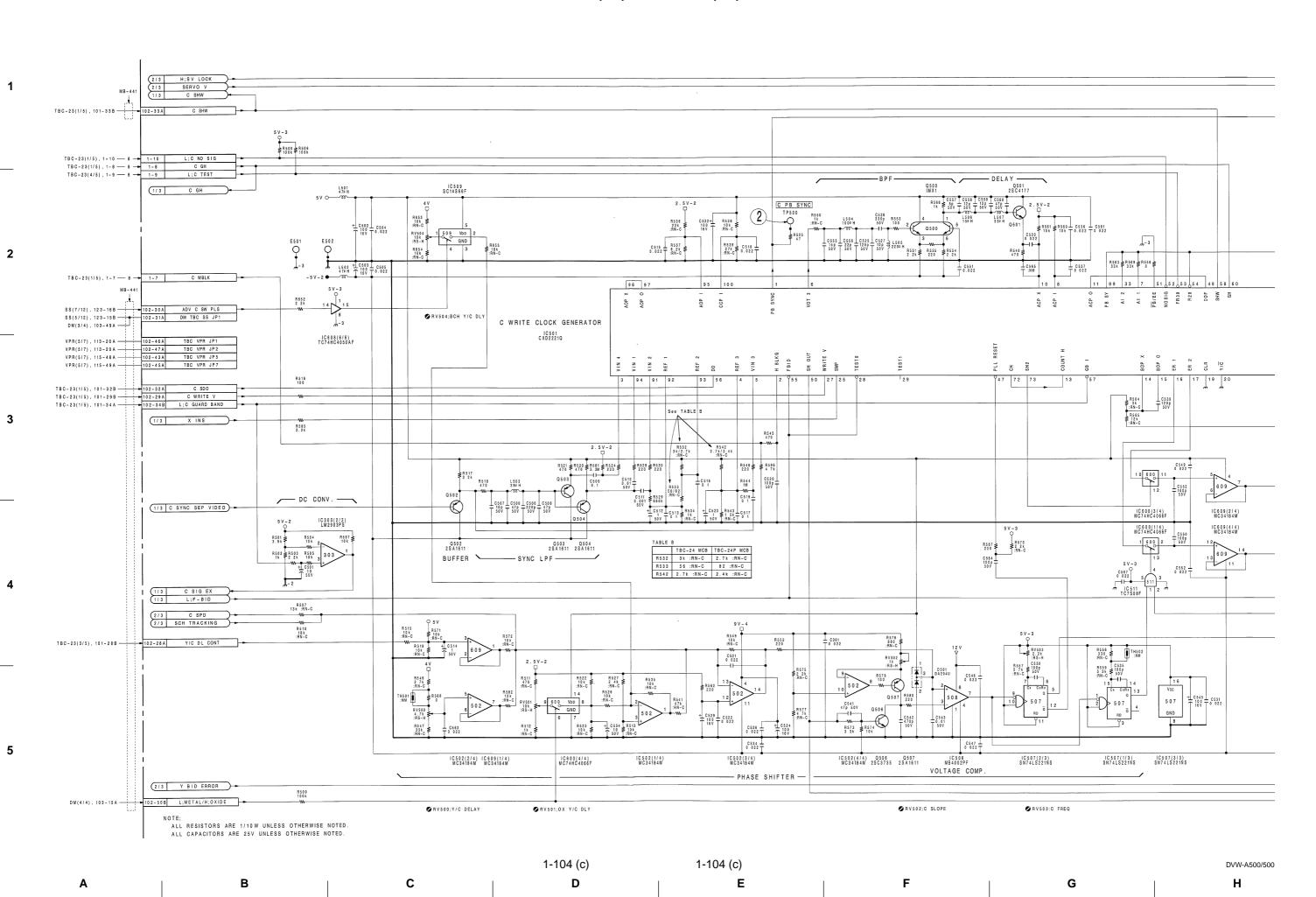


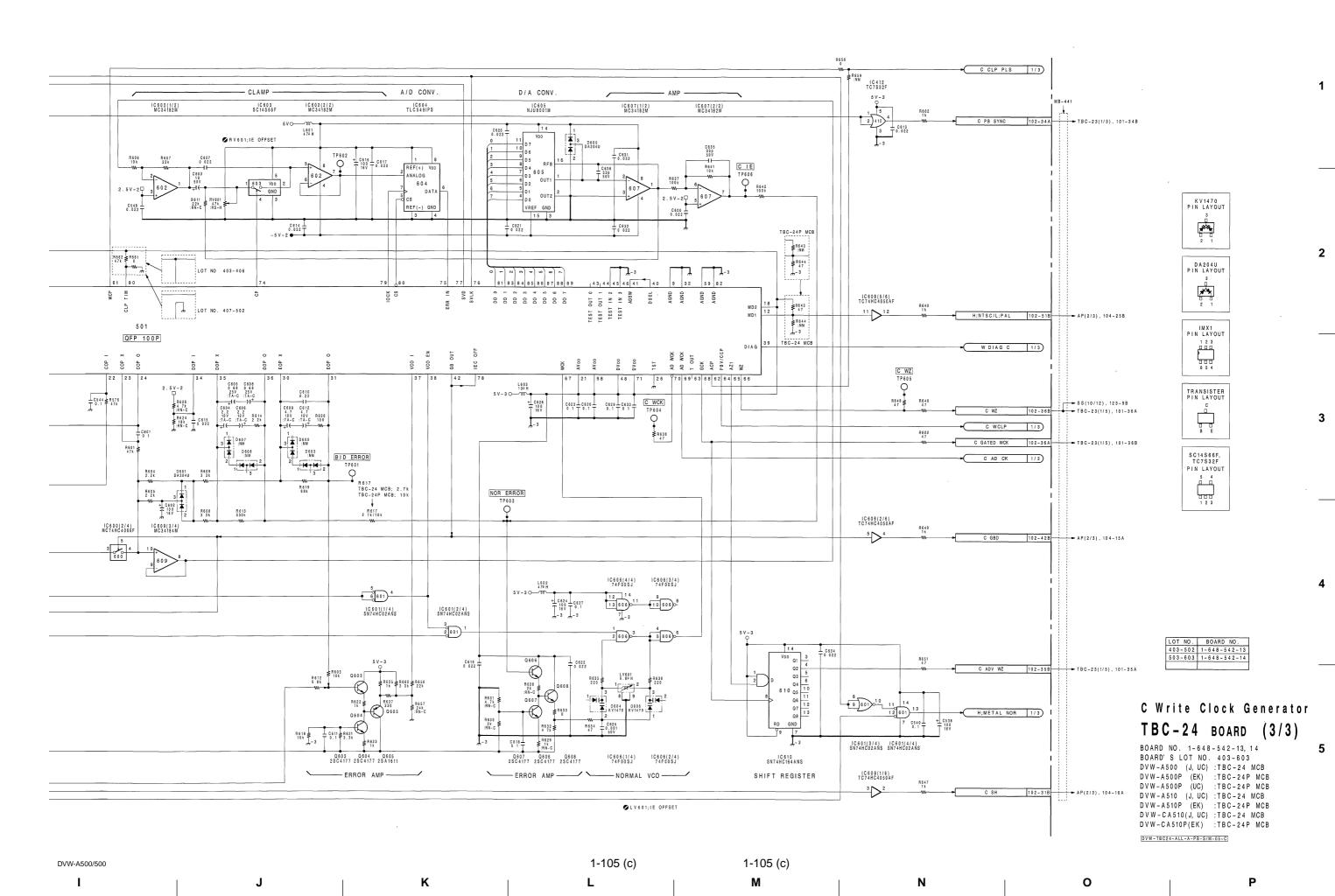


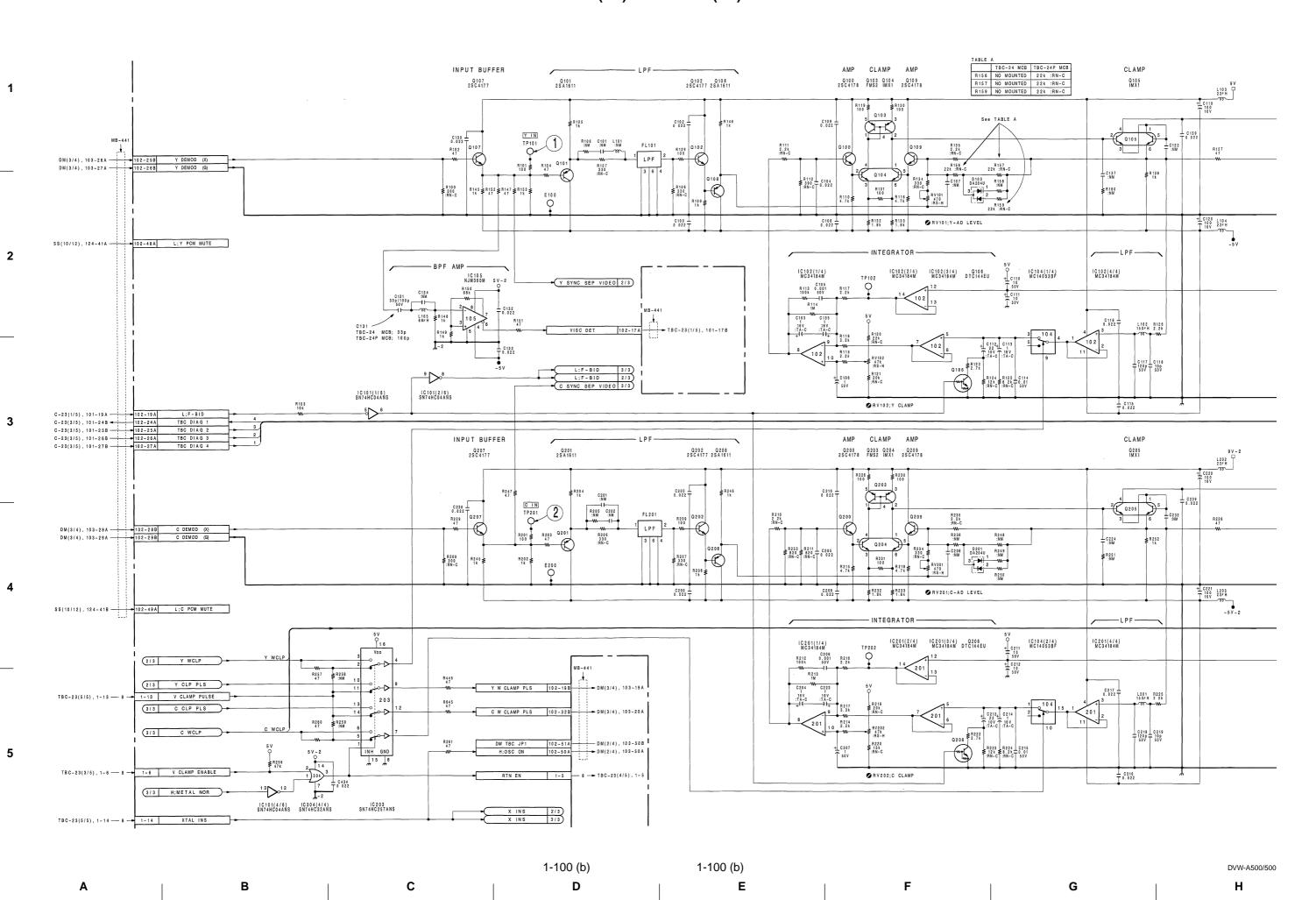


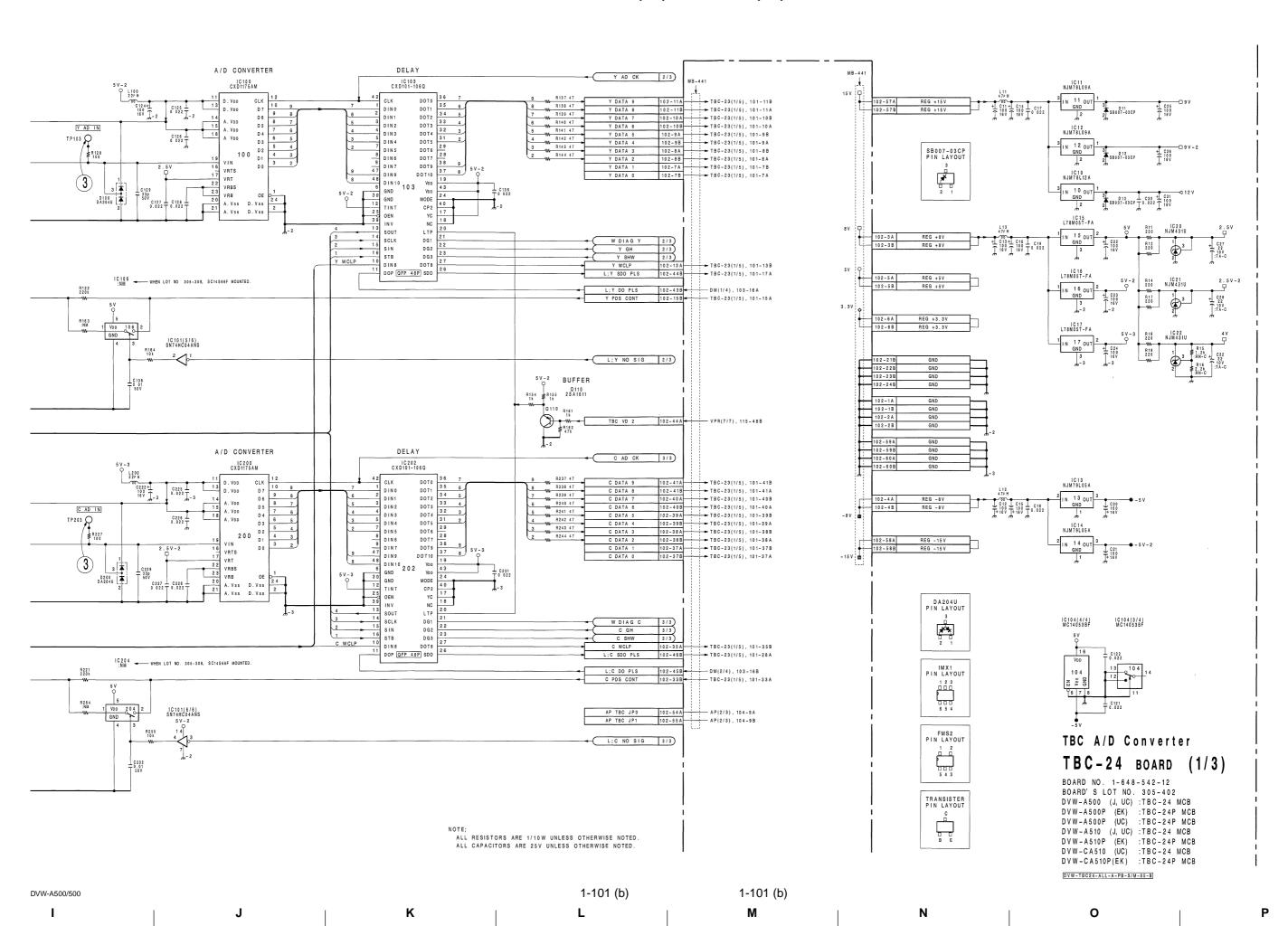


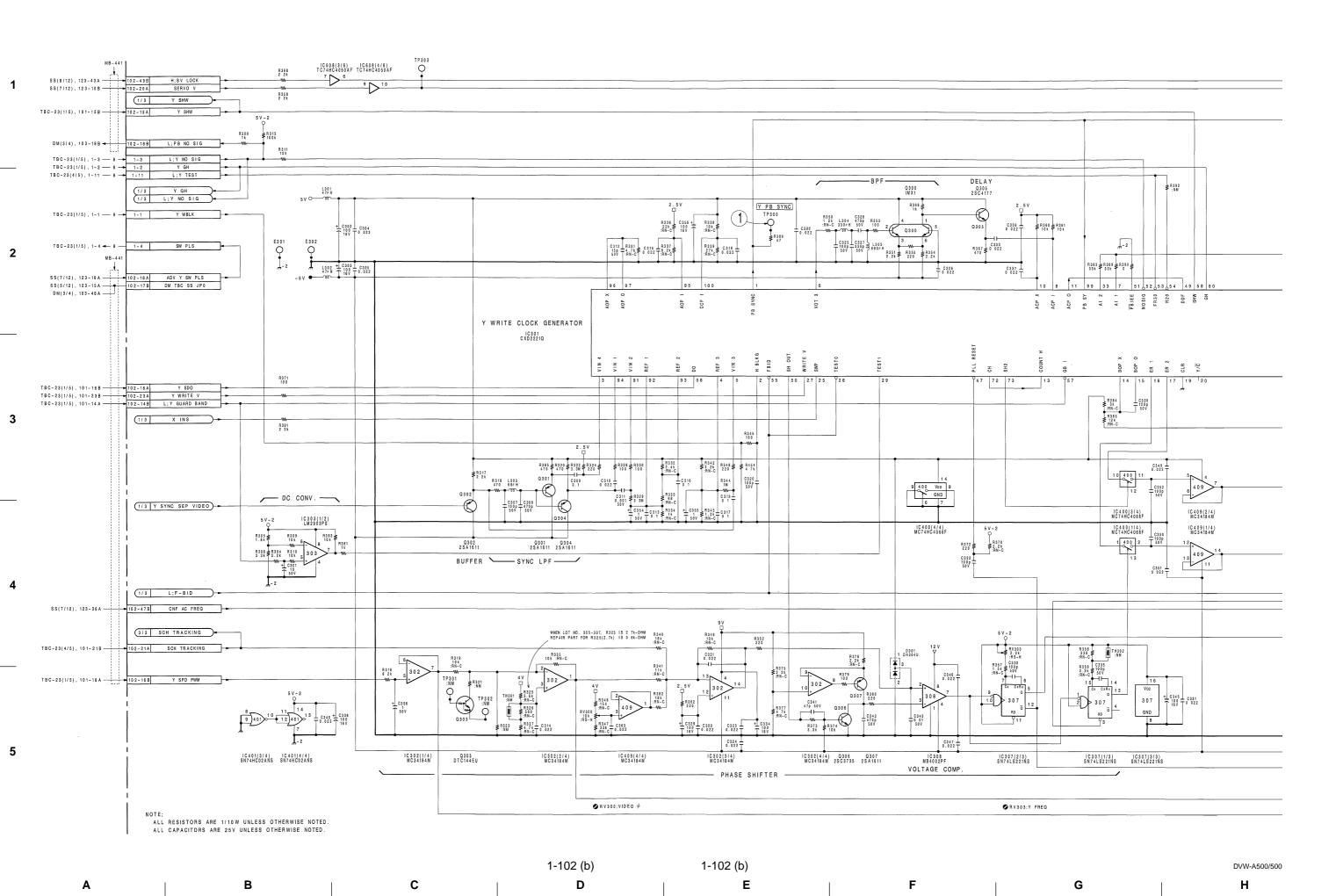


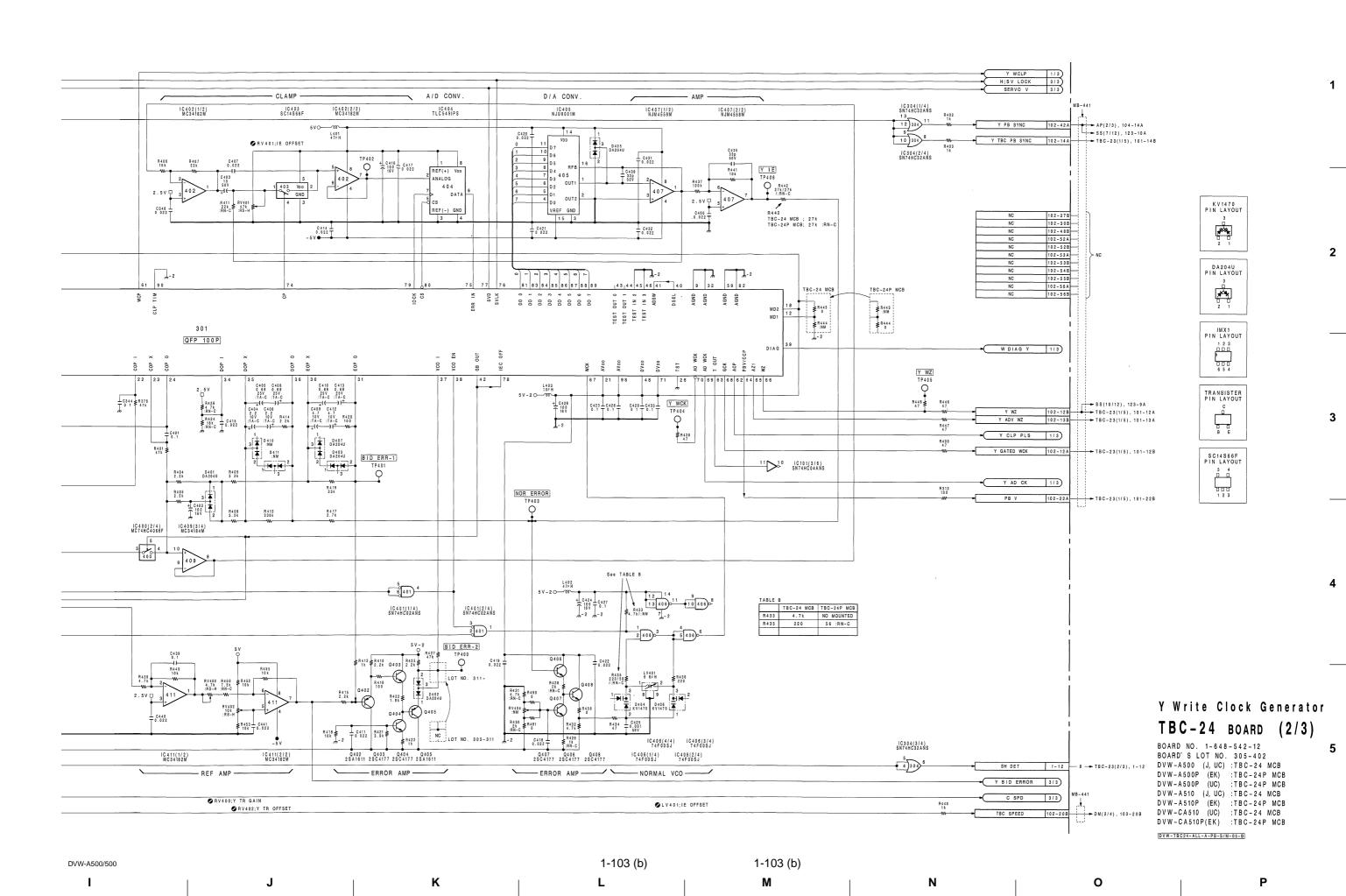


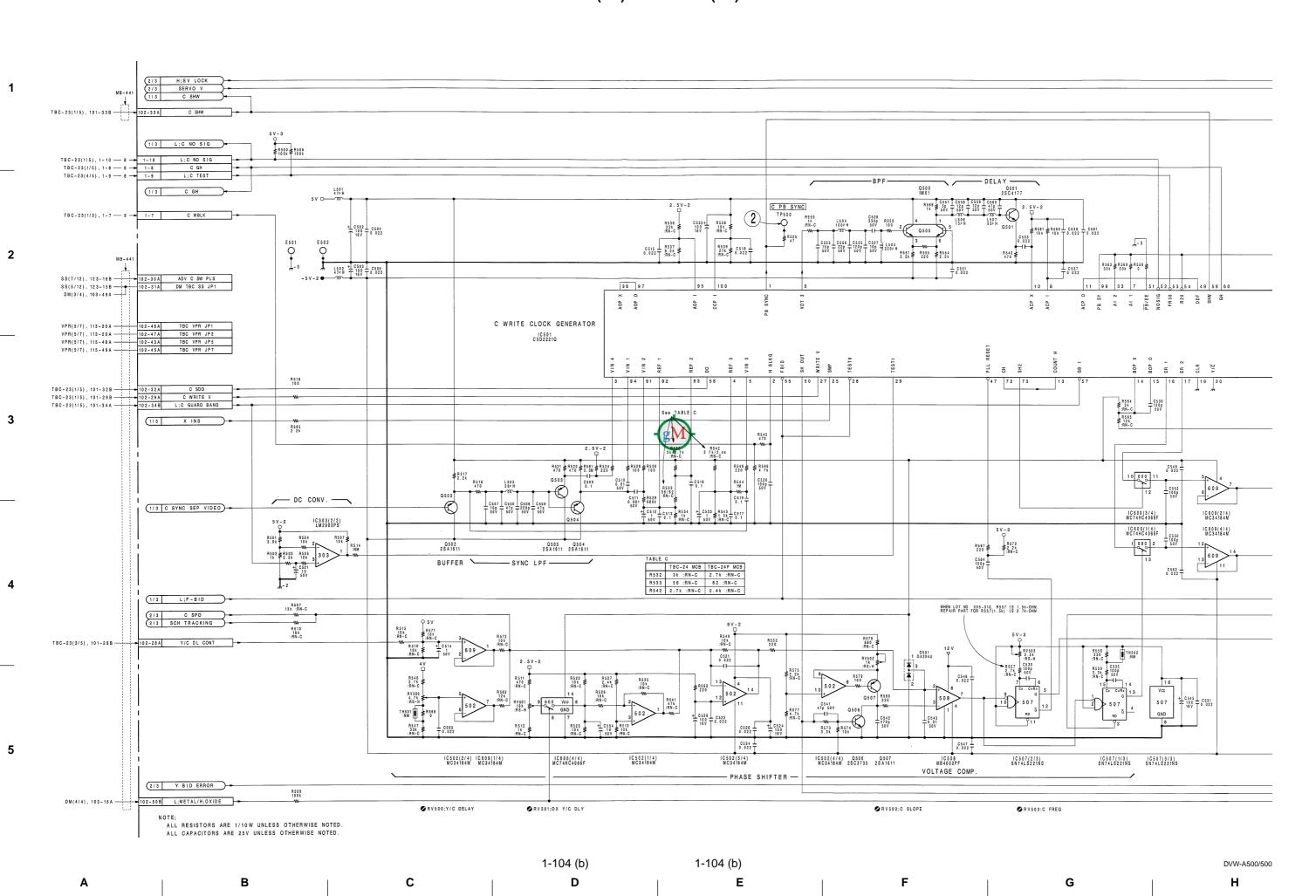


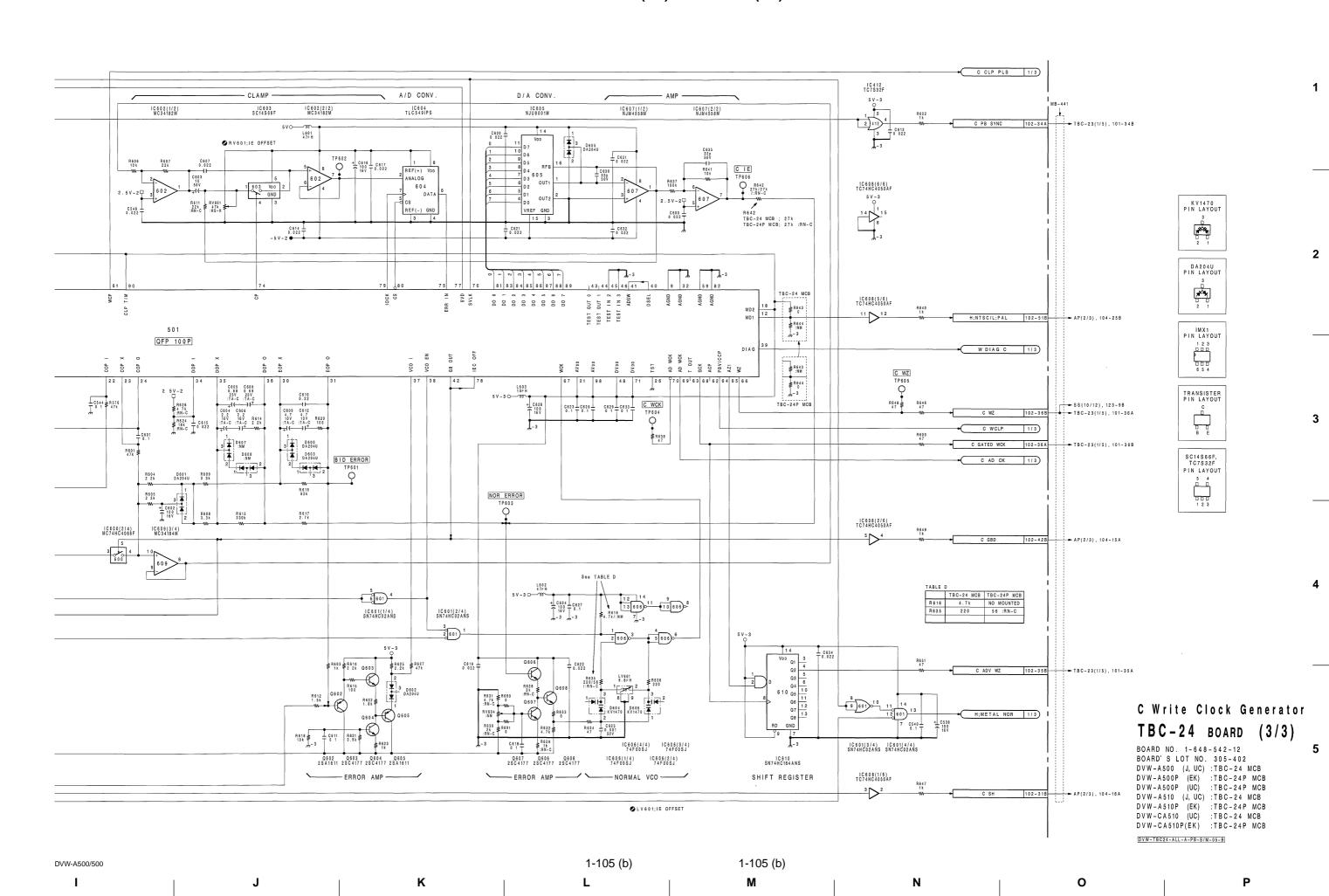


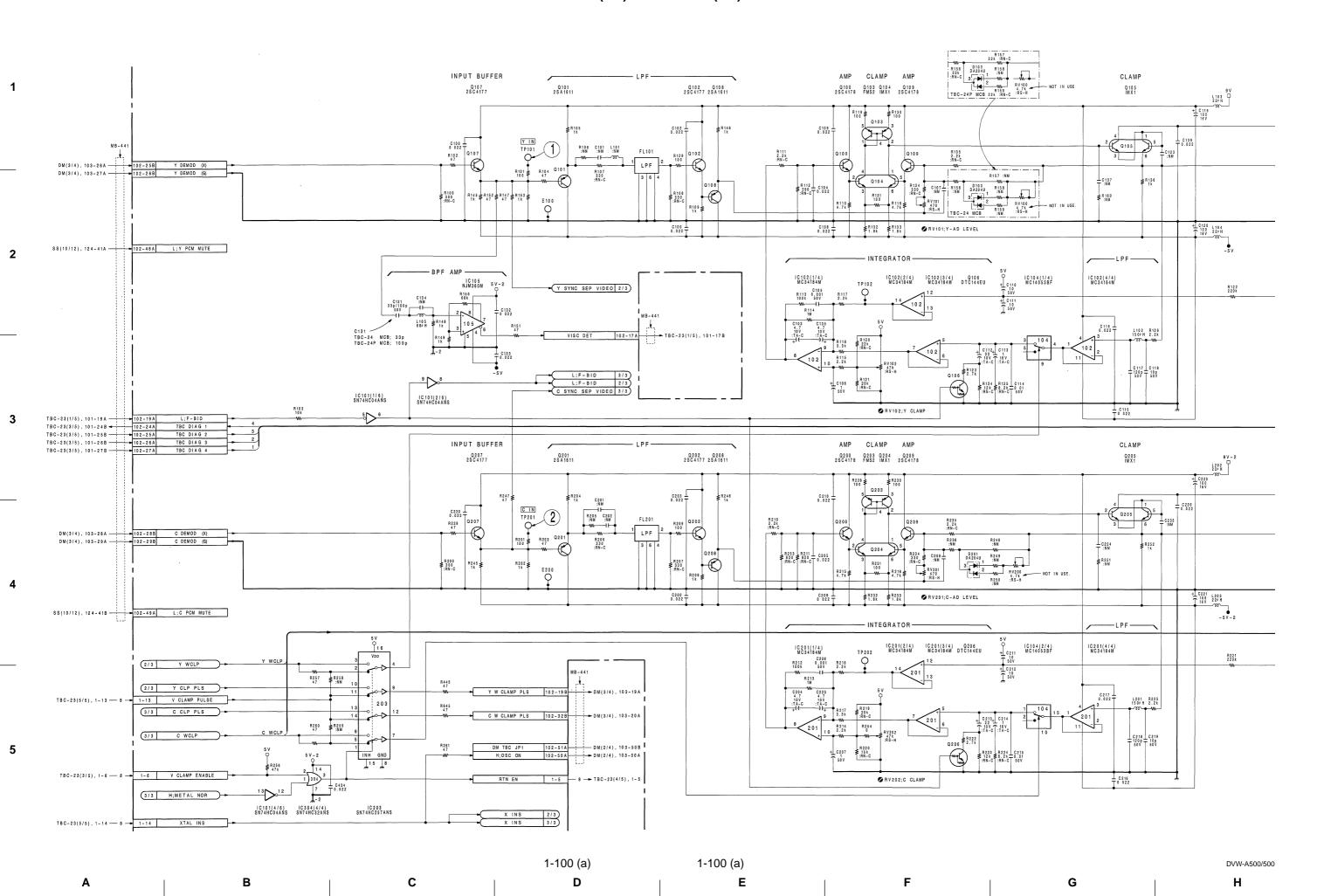


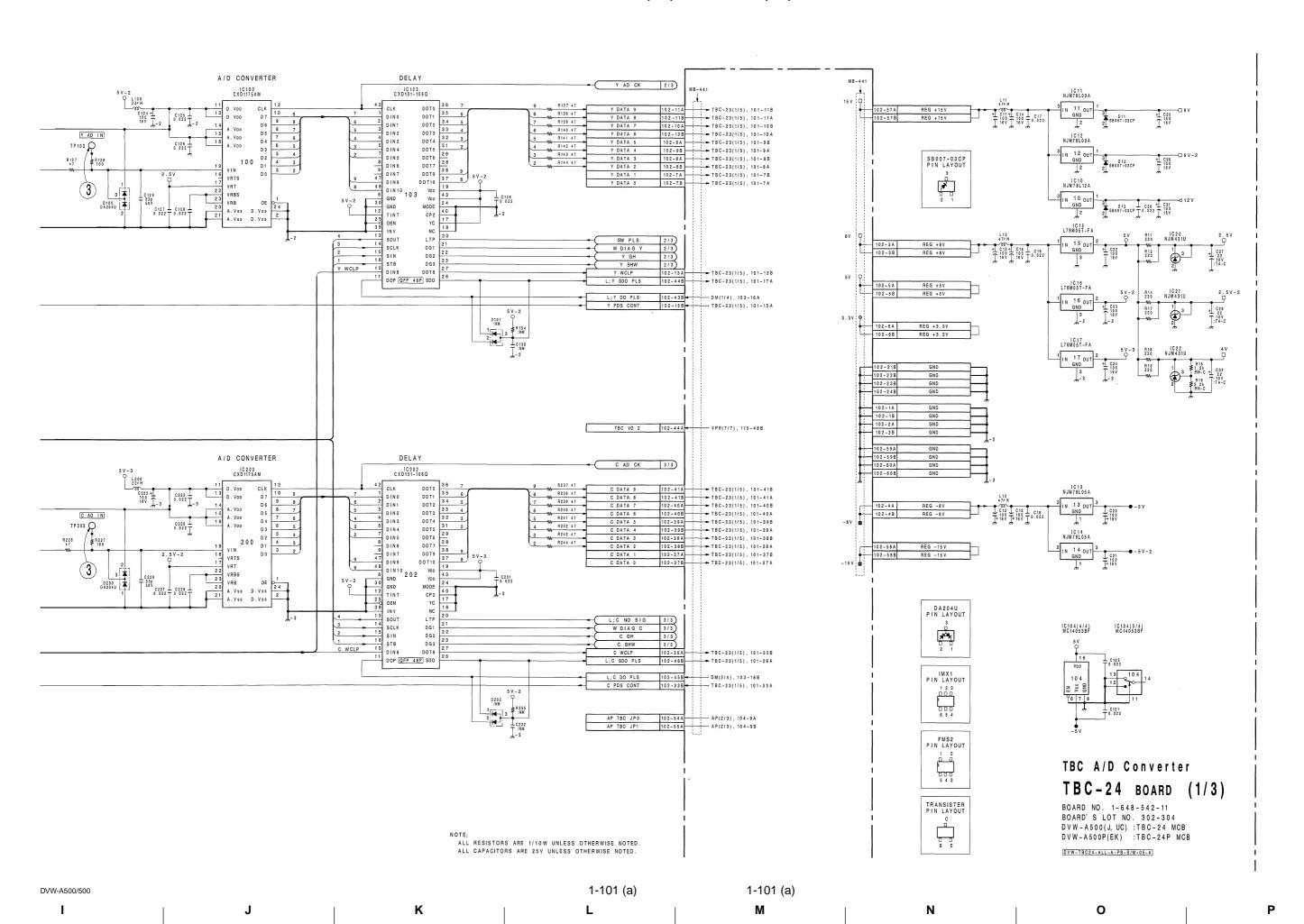


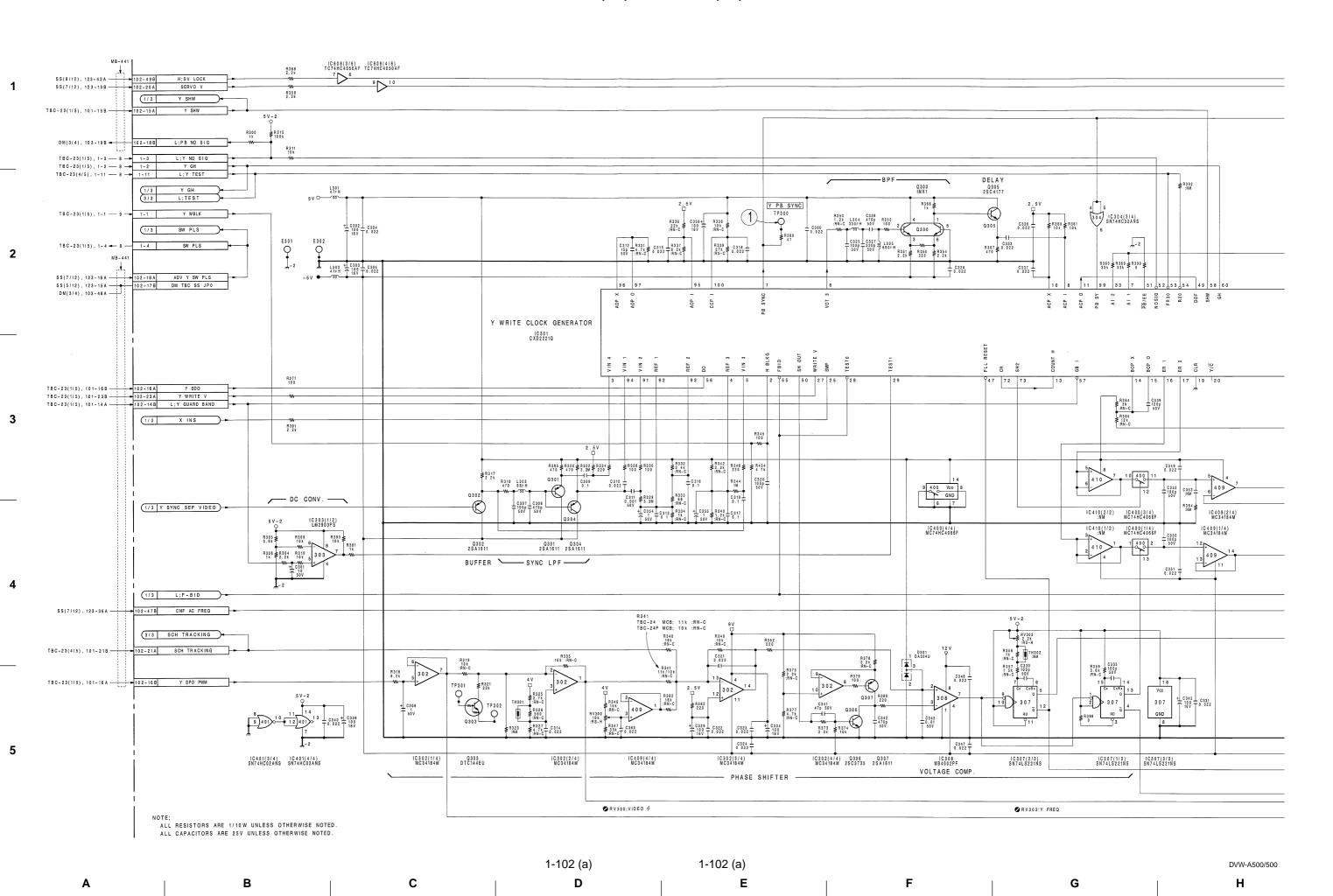


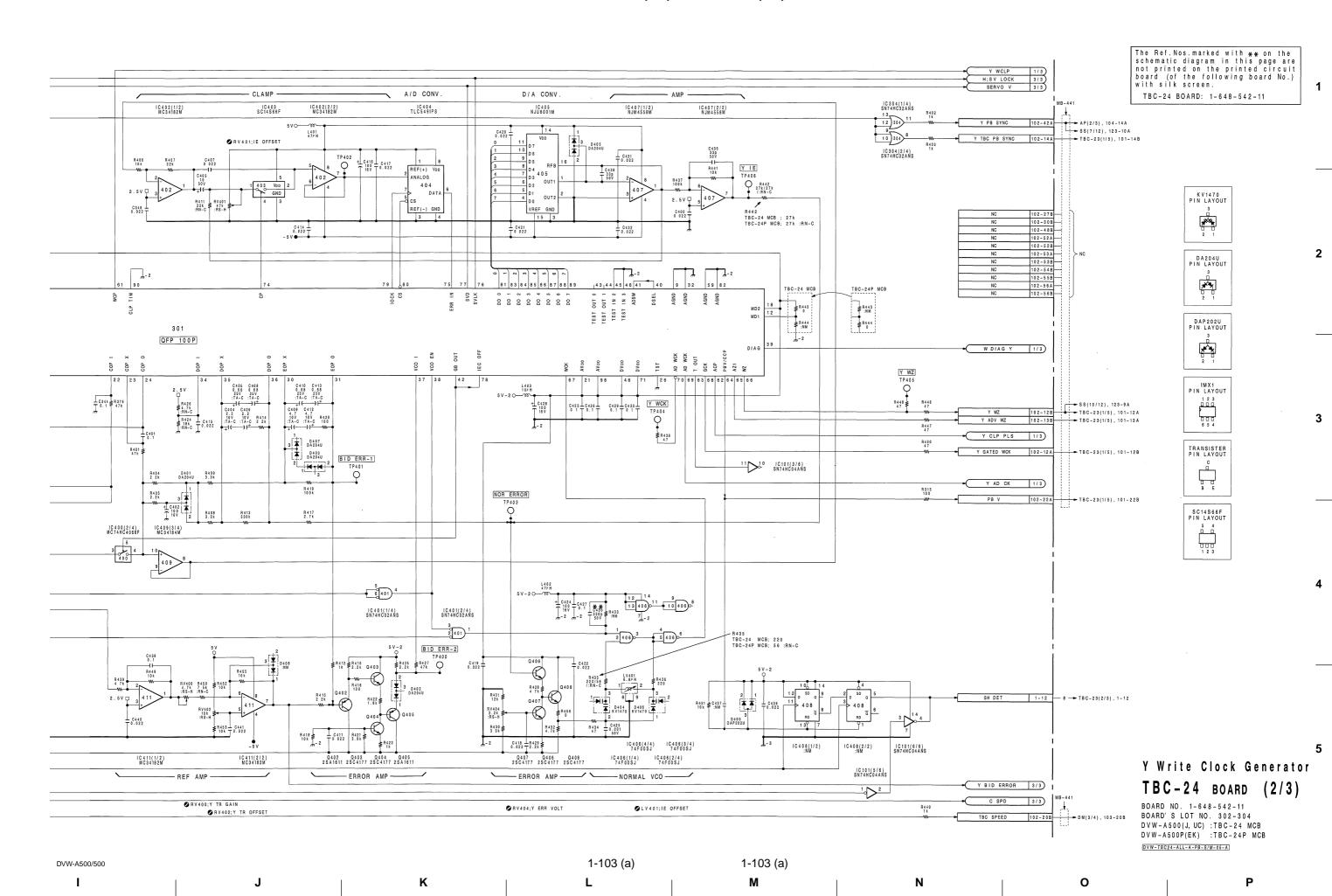


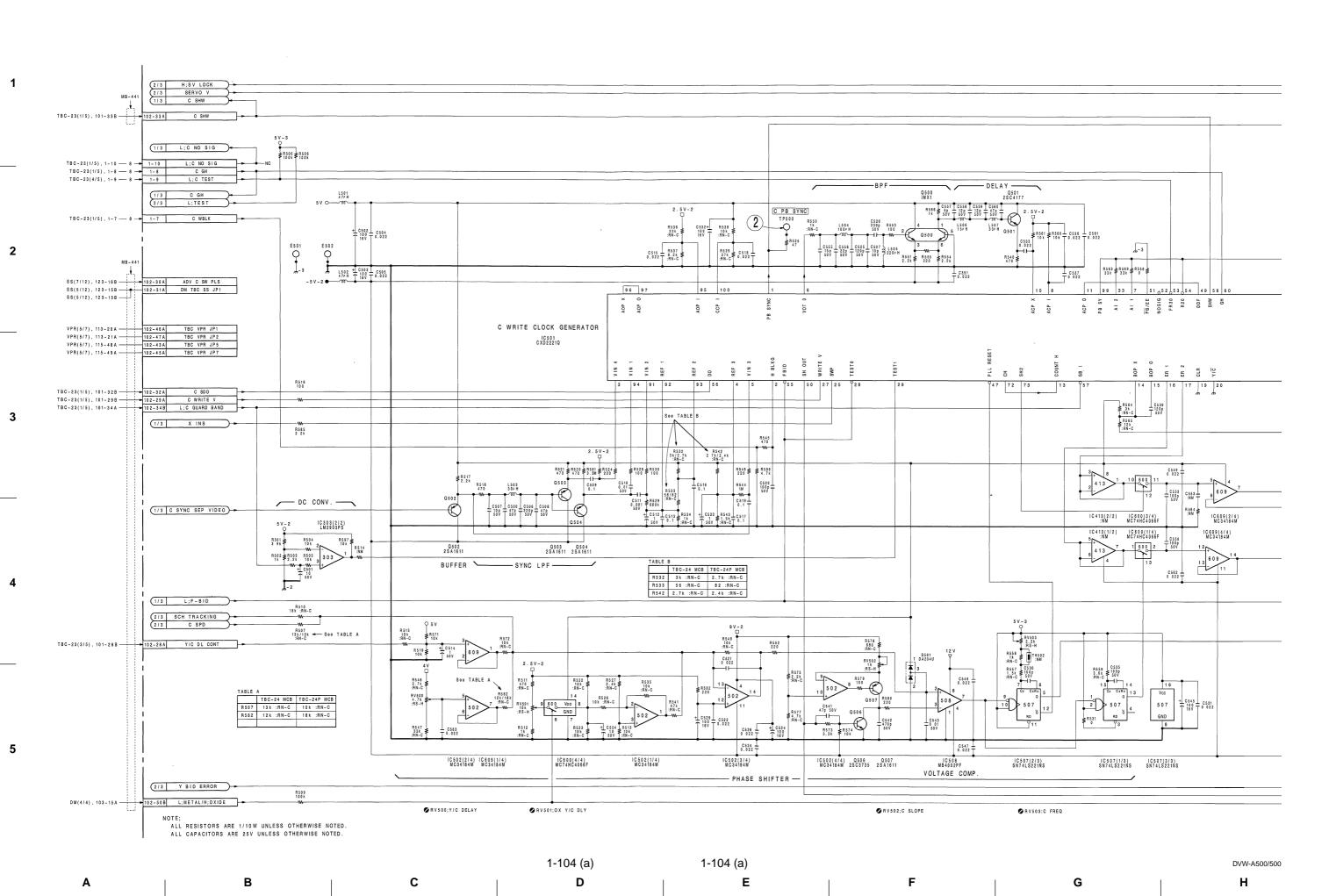


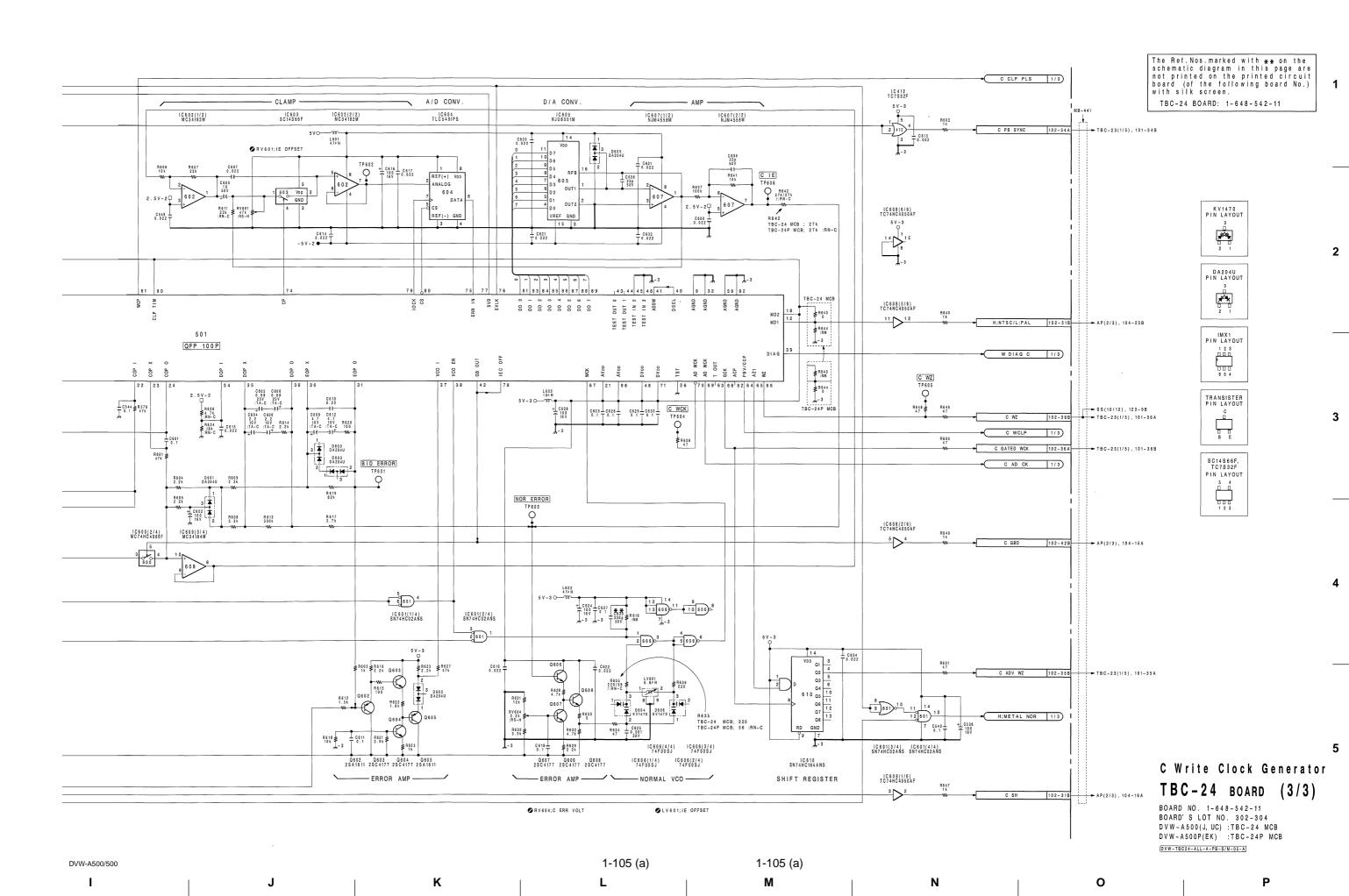


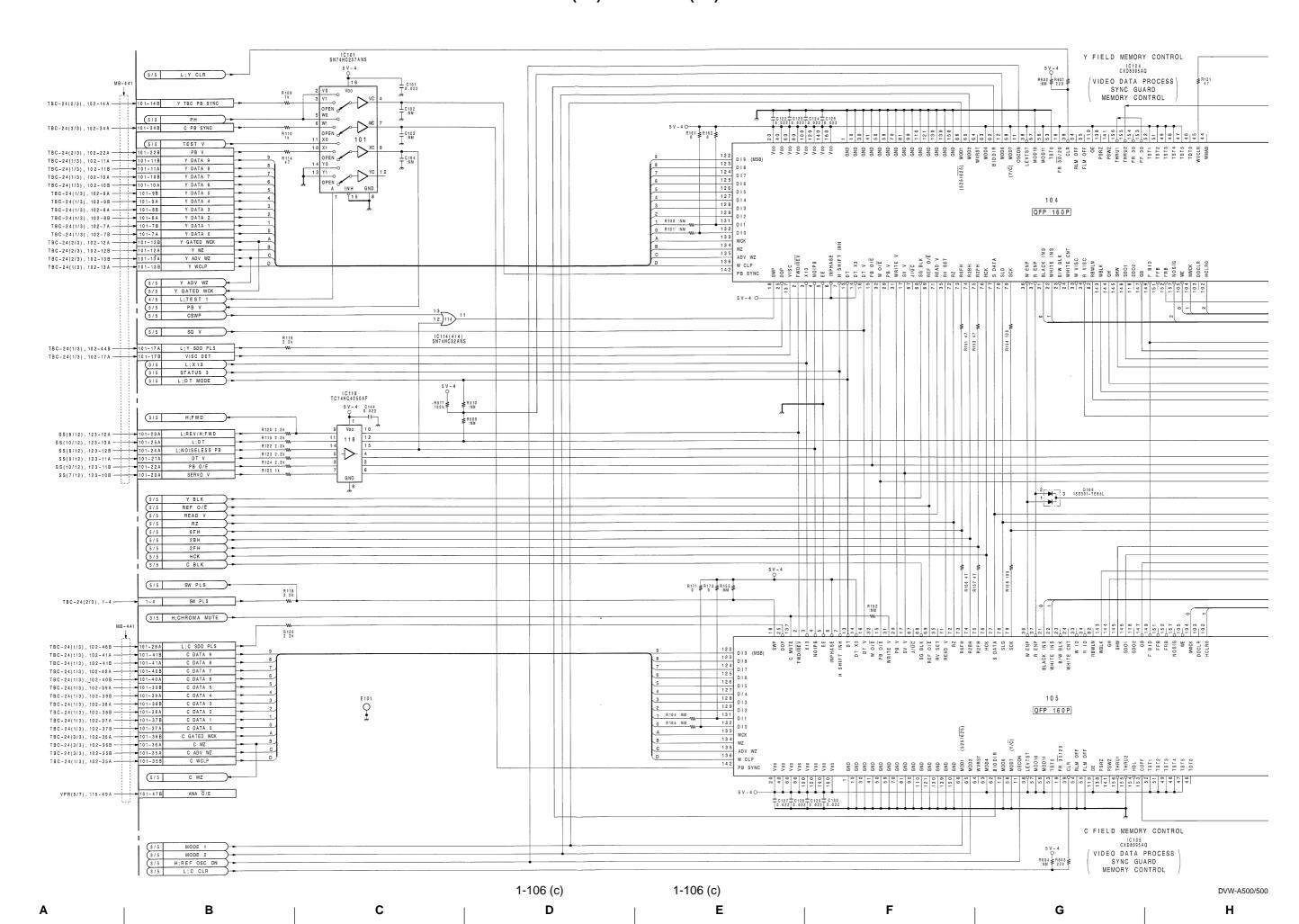


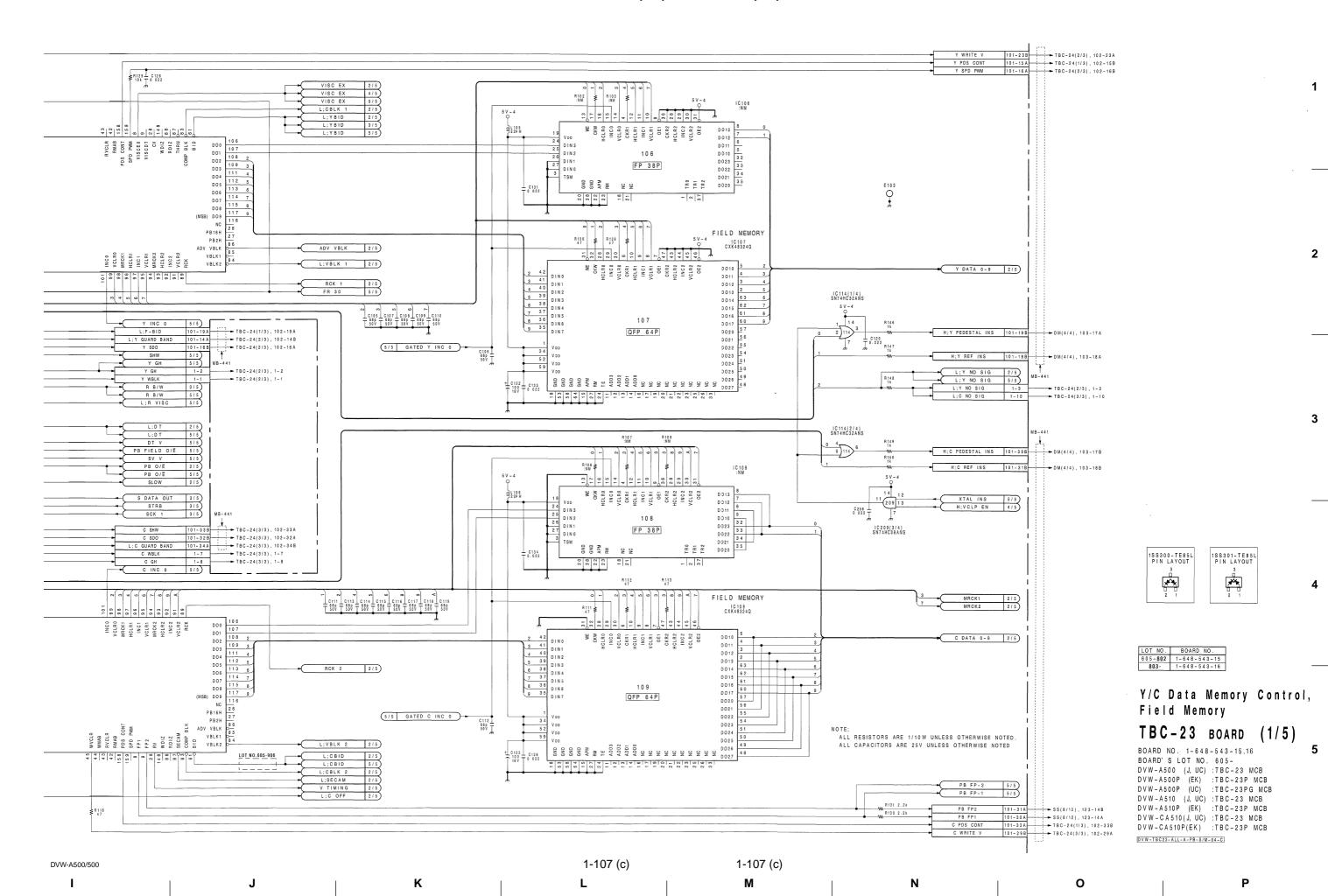












L:Y NO SIG VISC EX Y 3 LINE DOC T 0.022 1/5 Y DATA 0-9 DOTB3 46 DOTB4 45 DOTB5 44 DOTB6 43 DOTB7 42 GND 41 110 QFP 64P QFP 80P ADV VBLK SHIFT O TST3 -TST2 I C505 (6/7) SN74HC14ANS S DATA OUT 3/5 DTSTB C 3 LINE DOC 1/5 C DATA 0-9 DOTB2 DOTB6 DOTB7 111 QFP 64P 1/5 L:SECAM RCK 2 MRCK1 L:VBLK 2 1-108 (c) 1-108 (c) DVW-A500/500

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В

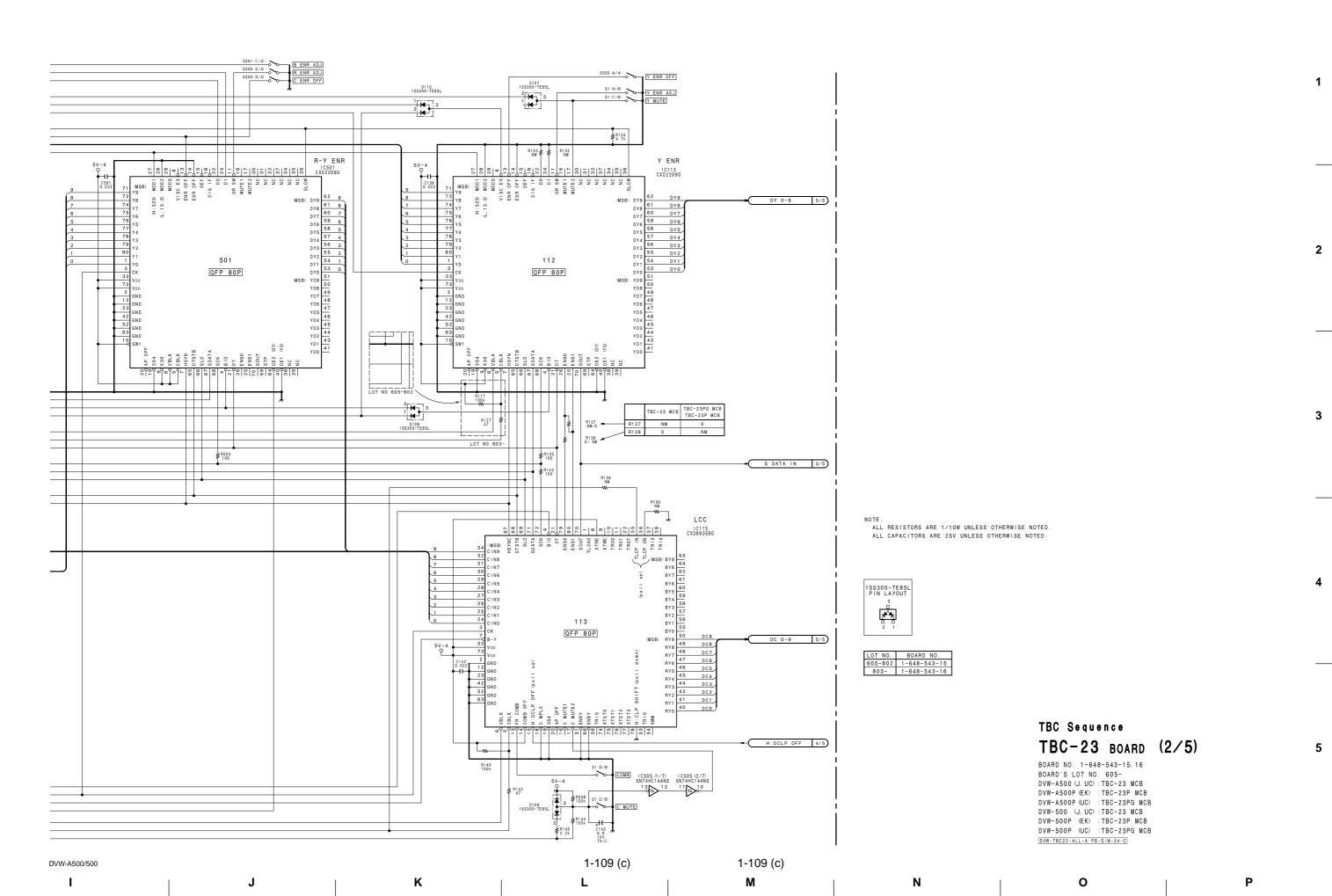
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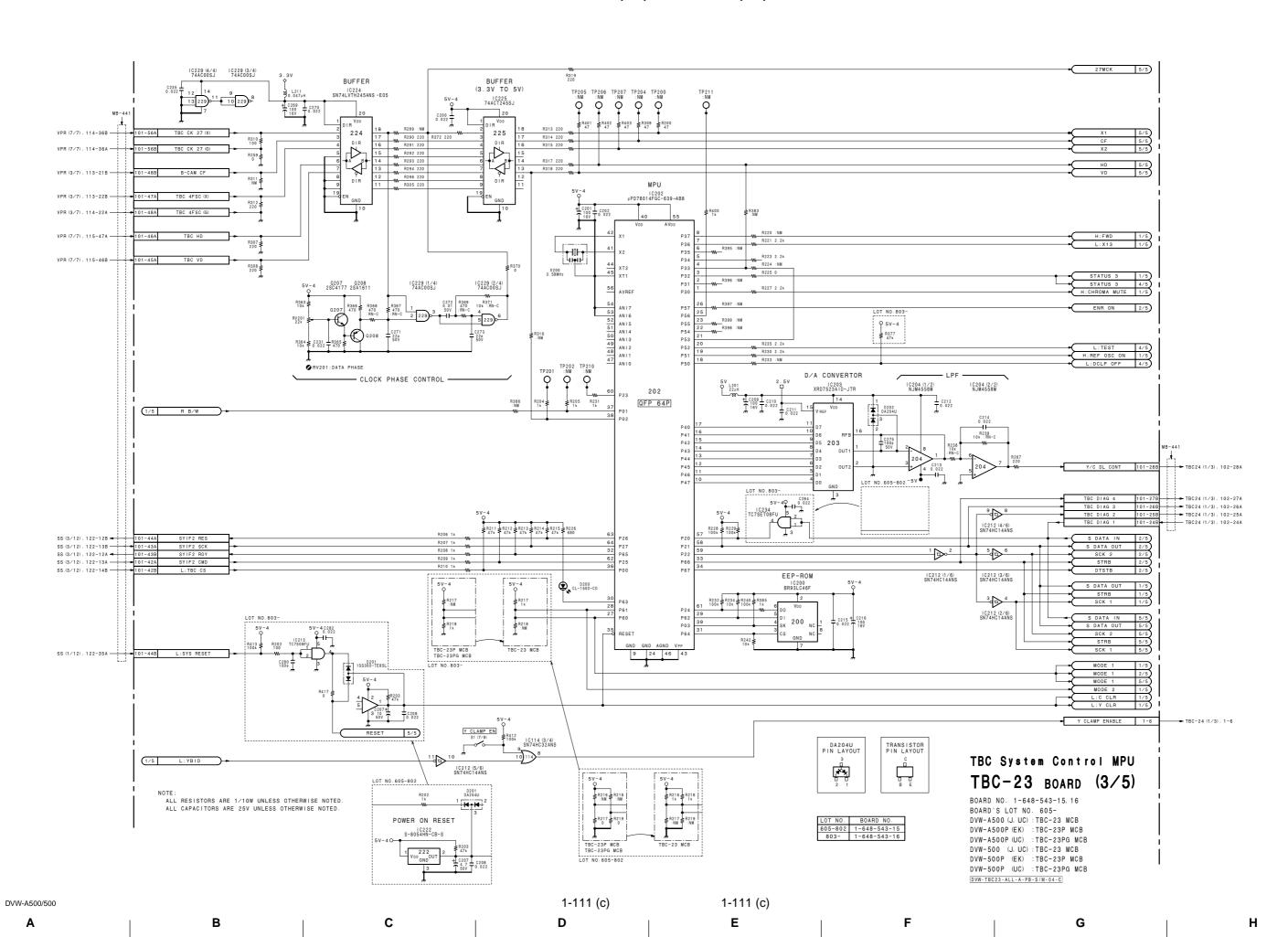
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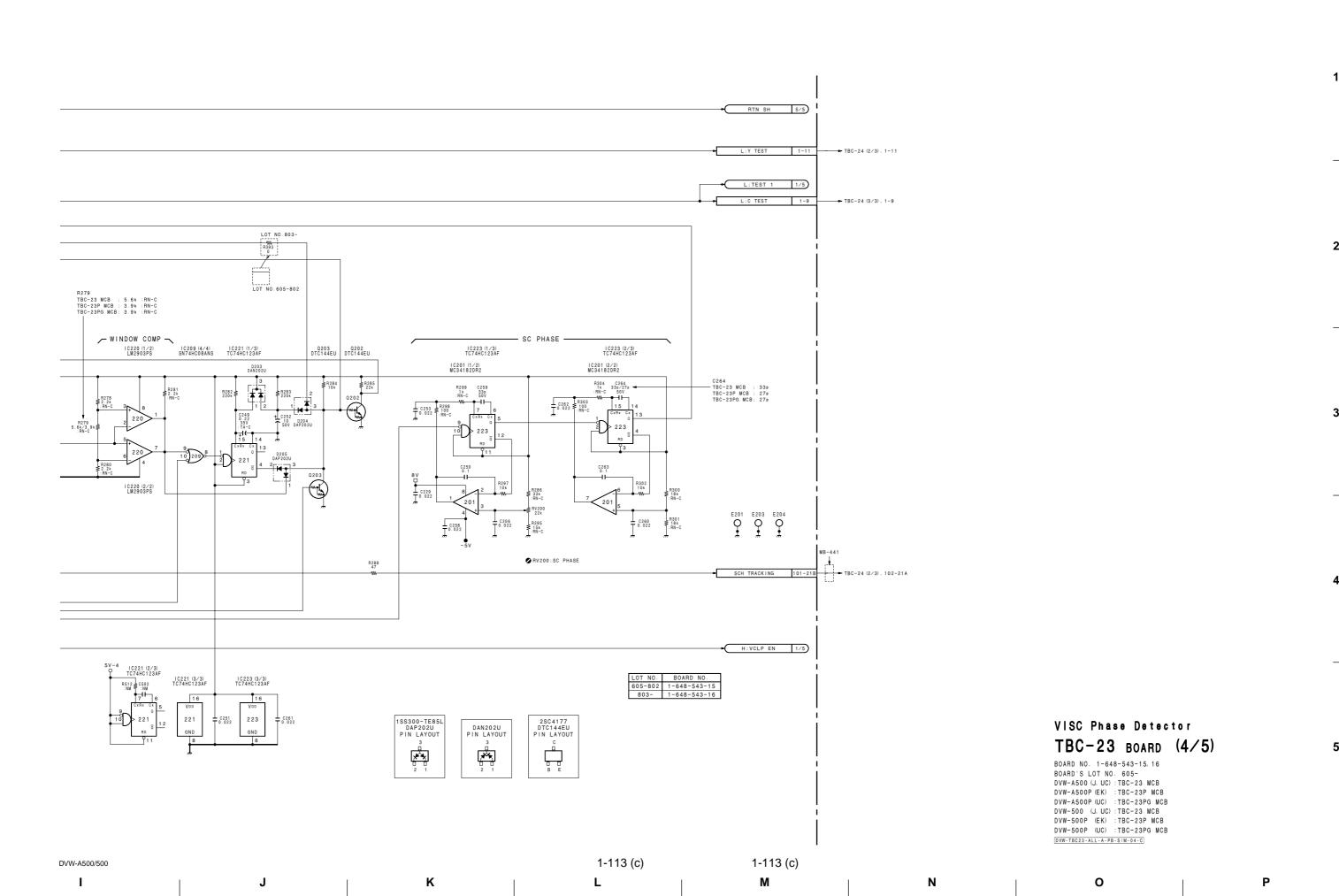
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DCLP OFF S1 (3/8) IC212 (6/6) SN74HC14ANS 3/5 L:DCLP OFF IC215 (2/4) SN74HC86ANS 3/5 L; TEST 3/5 STATUS 3 IC211 (2/3) SN74HC74ANS 5/5 VISC DET 5 209 6 211 SWITCH - INTEGRATOR -Q210 | C219 (2/2) :NM | MC34182DR2 VISC SEP PHASE COMP IC214 NJM360M IC216 CX23065A VIDEO PHASE 3.3 R222 S1 (8/8) 10V TA-C VPR (4/7), 113-11B 101-45B VPR (4/7), 113-11A 101-46B TP208 TBC-23 MCB TBC-23P MCB TBC-23PG MCB TBC-24 (2/3), 1-12 ----R384 ≱ R270 330 ≱ 330 1C217 NJM431U RV202; VIDEO PHASE 1-5 TBC-24 (1/3) , 1-5 IC211 (3/3) SN74HC74ANS IC215 (1/4) SN74HC86ANS 211 ALL RESISTORS ARE 1/10W UNLESS OTHERWISE NOTED.
ALL CAPACITORS ARE 25V UNLESS OTHERWISE NOTED.

1-112 (c) 1-112 (c) DVW-A500/500 F G H

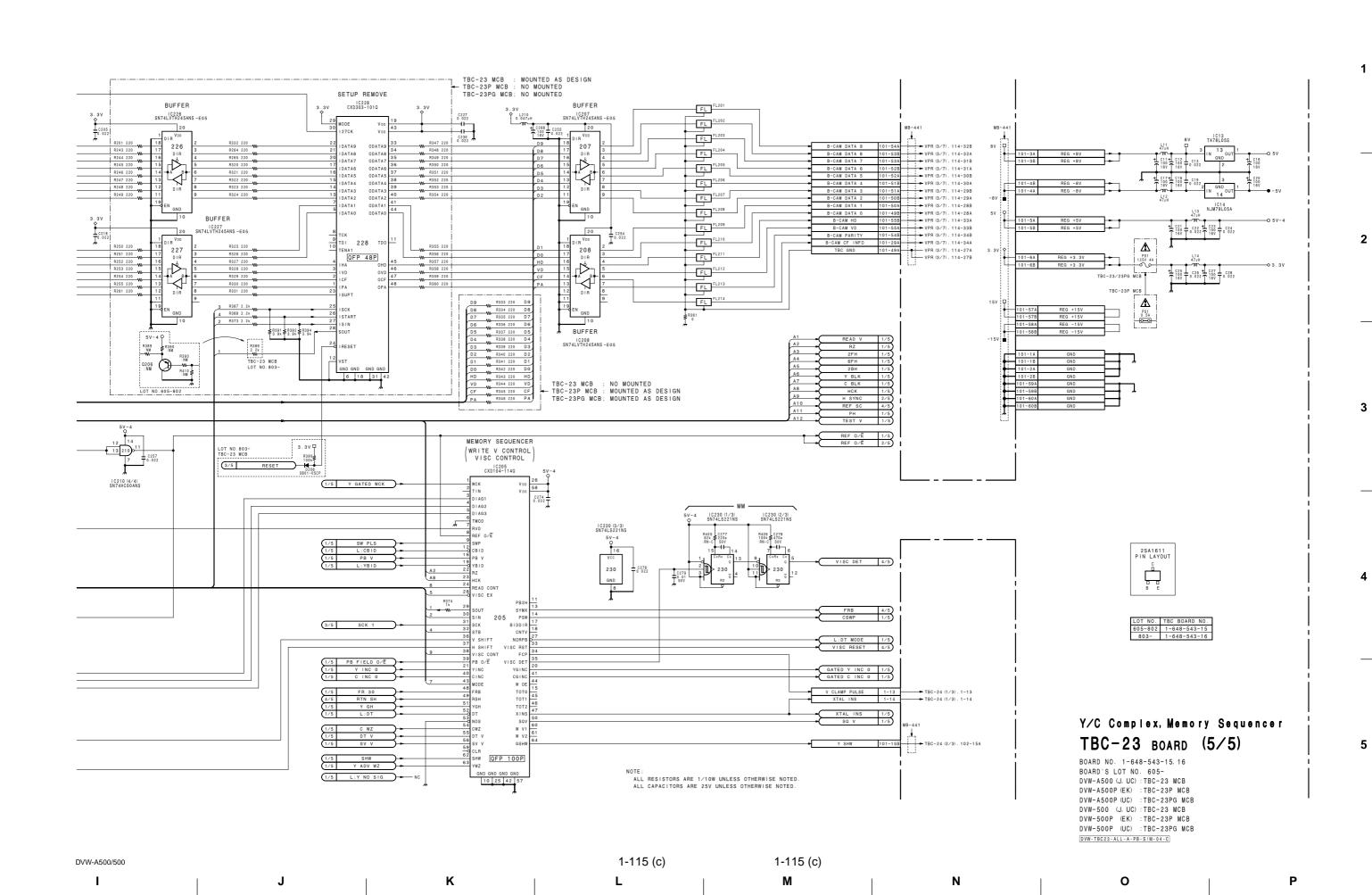


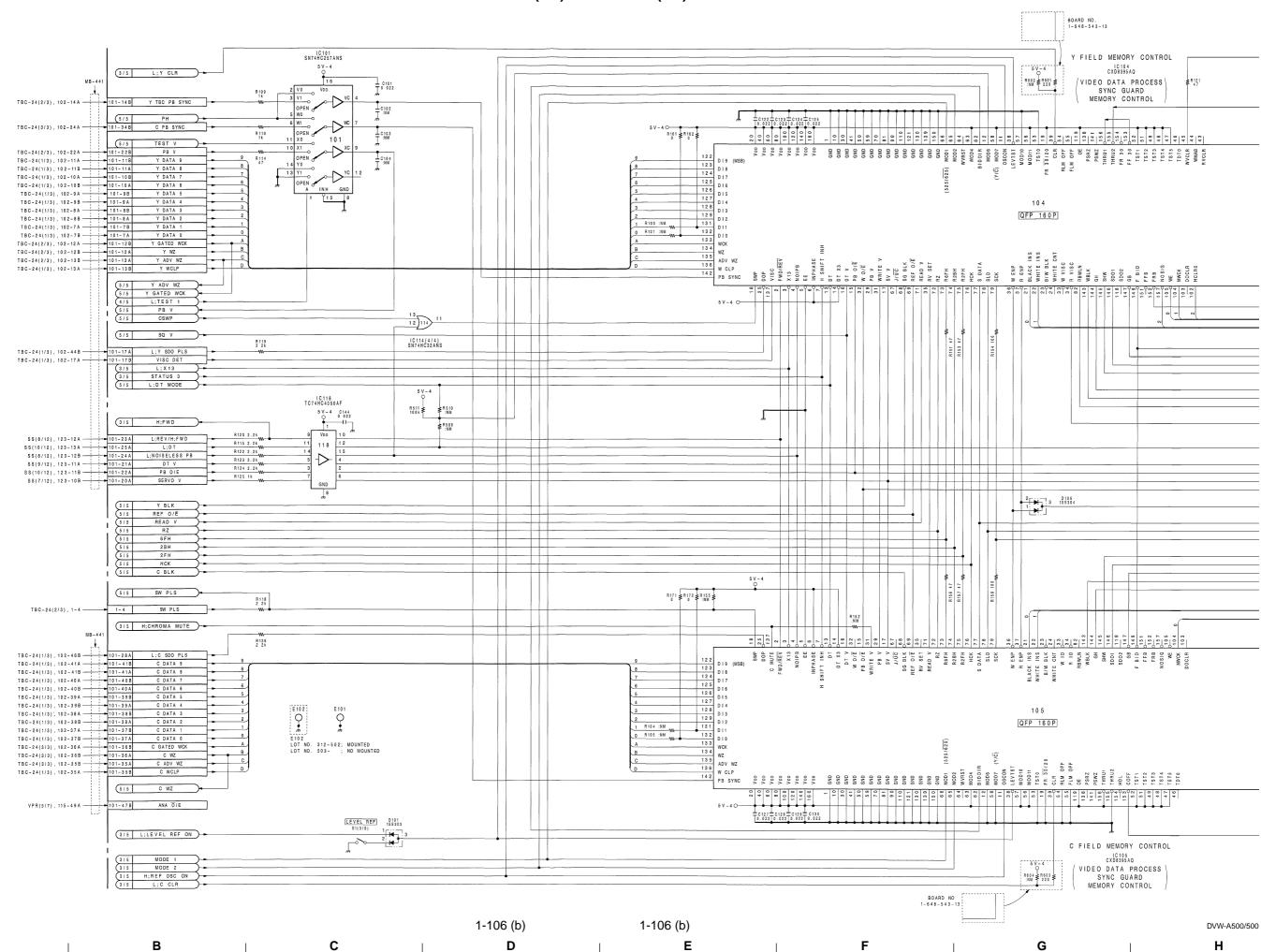
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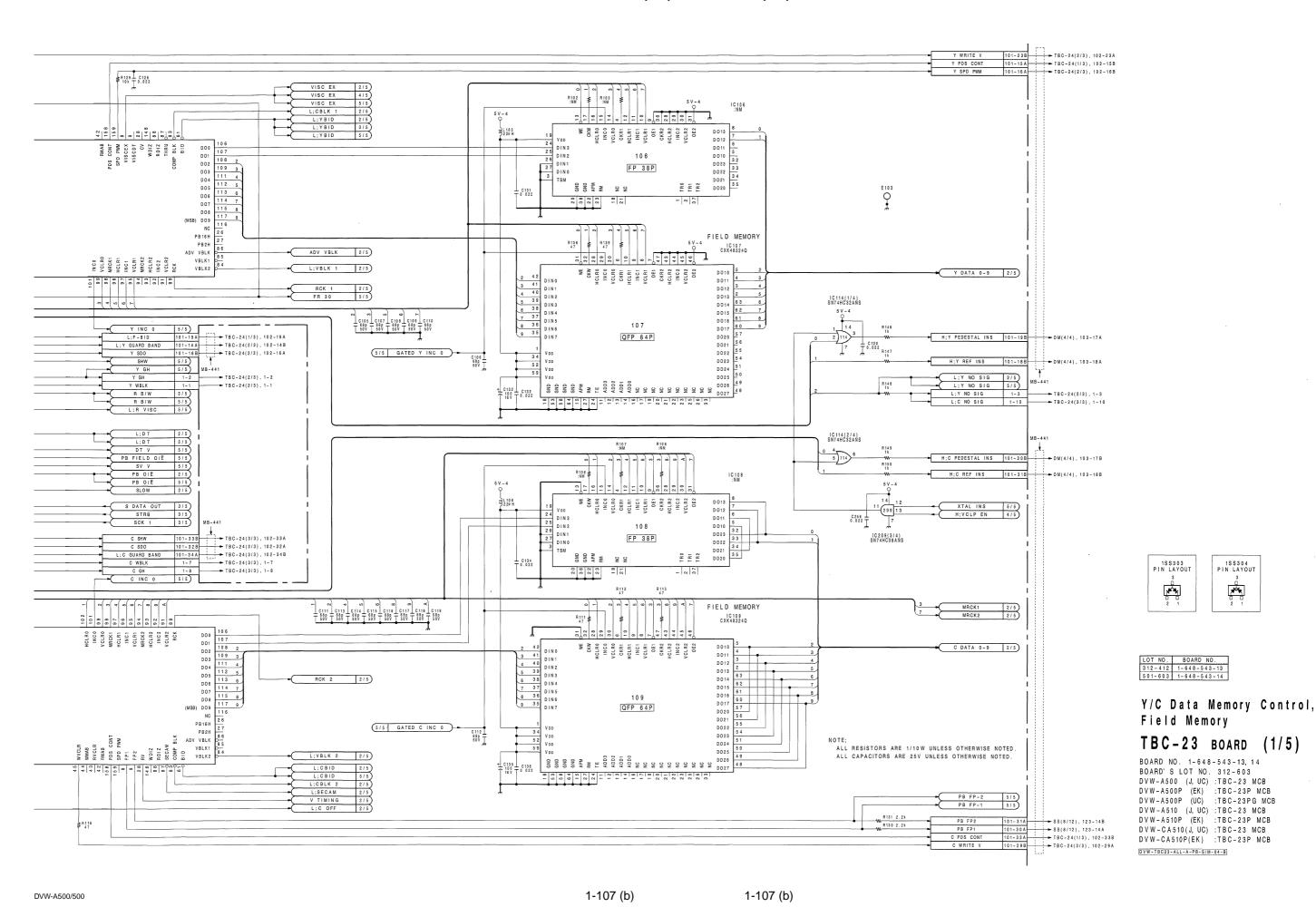
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Y/C COMPLEX, READ TIMING PULSE GEN. IC206 CXD206-104Q 3 28 53 78 1C506 (3/3) 5V-4 SN74HC74ANS 0 IC504 (2/2) SN74HC163ANS IC505 (7/7) SN74HC14ANS IC503 (2/2) SN74HC175ANS VDD 504 GND 506 GND 505 GND 503 GND BHD BVD CF INFO PARITY DC0 76 DC1 69 DC2 68 DC3 67 DC4 66 DC5 64 DC6 63 DC7 62 DC8 61 206 5V-4 Q QFP 100P IC502 (2/5) SN74HC32ANS 1/5 PB FP-1 IC502 (1/5) SN74HC32ANS PH SYNC DIAG1 94 95 96 DIAG4 98 DIAG5 IC504 (1/2) SN74HC163ANS IC210 (3/4) SN74HC00ANS IC505 (3/7) IC506 (1/3) SN74HC14ANS SN74HC74ANS IC506 (2/3) SN74HC74ANS 9 10 210 8 5 4 210 0 6 BUFFER 0204 0205 2204 0205 254-611 2541611

1-114 (c) 1-114 (c) 1-114 (c) DVW-A500/500 F G H







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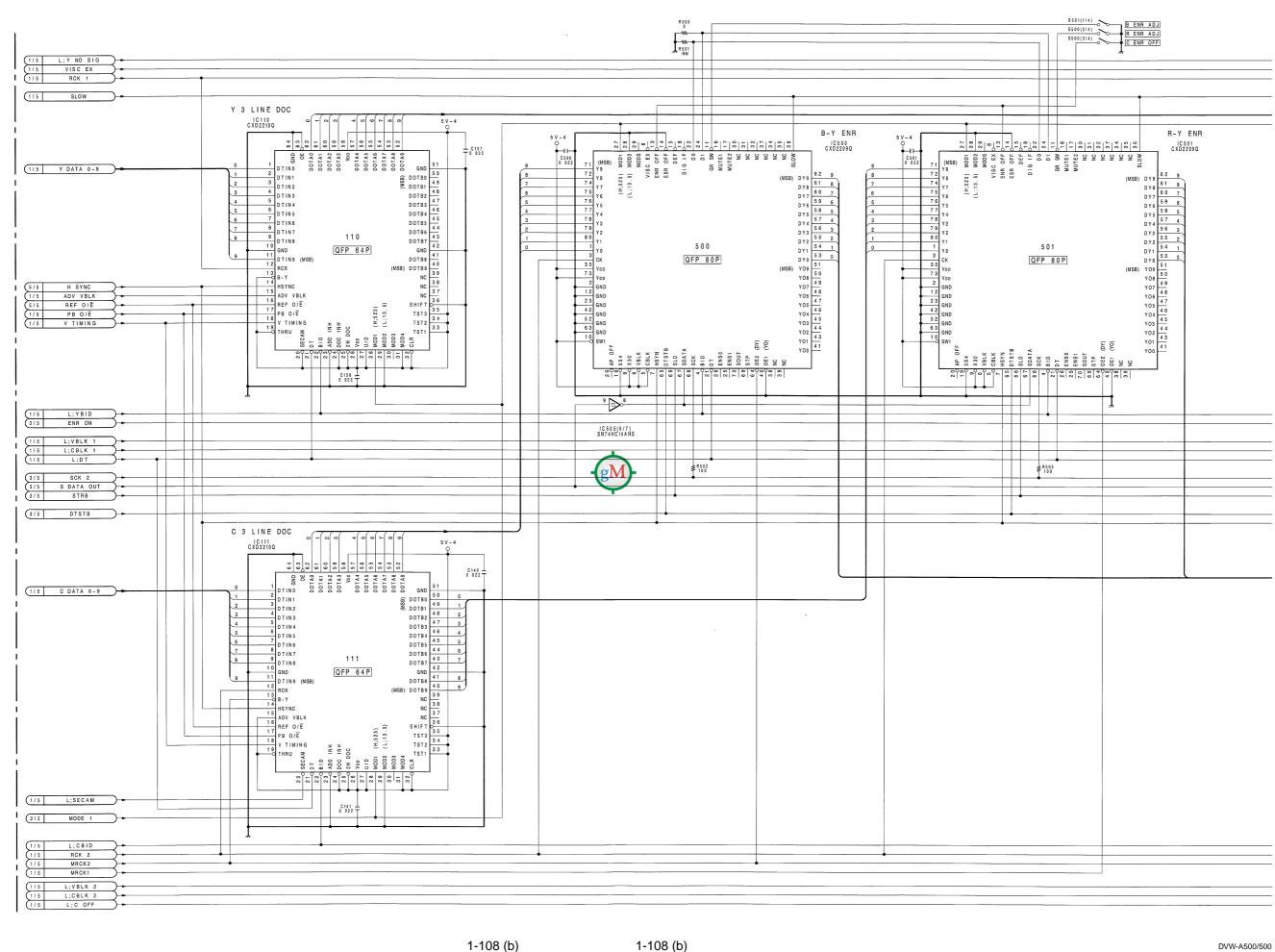
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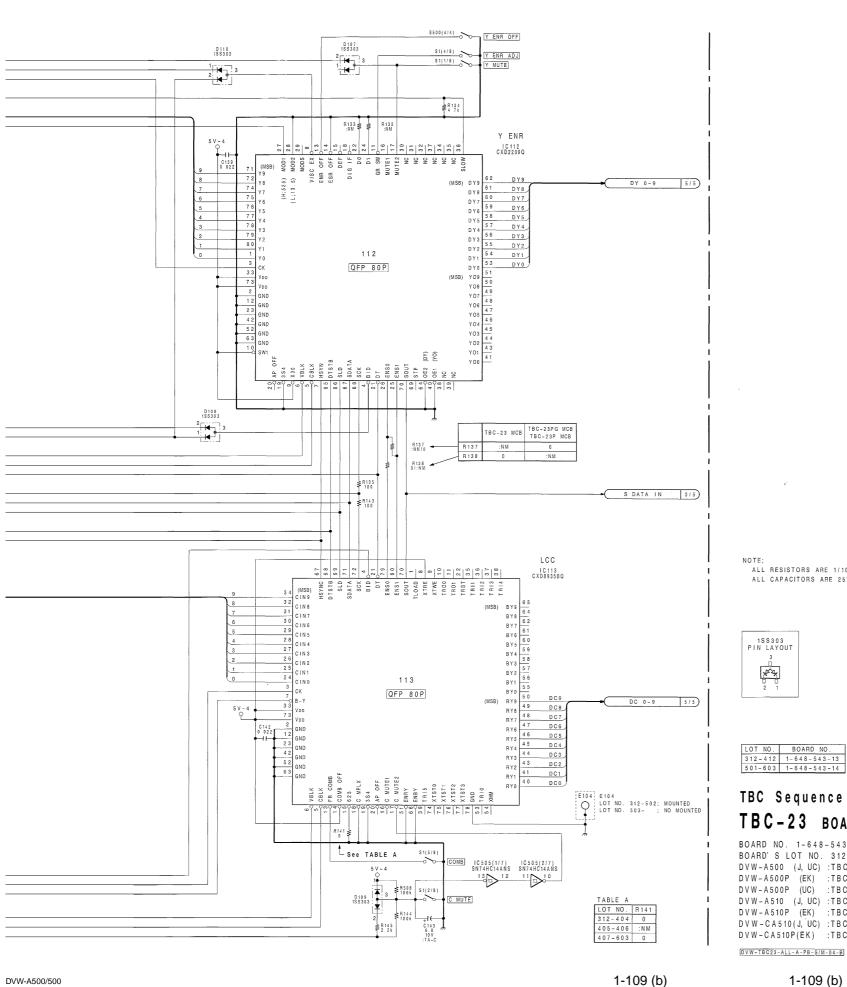
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1-108 (b) 1-108 (b)

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K

ALL RESISTORS ARE 1/10 W UNLESS OTHERWISE NOTED ALL CAPACITORS ARE 25V UNLESS OTHERWISE NOTED

LOT NO.	BOARD NO.
312-412	1-648-543-13
501-603	1-648-543-14

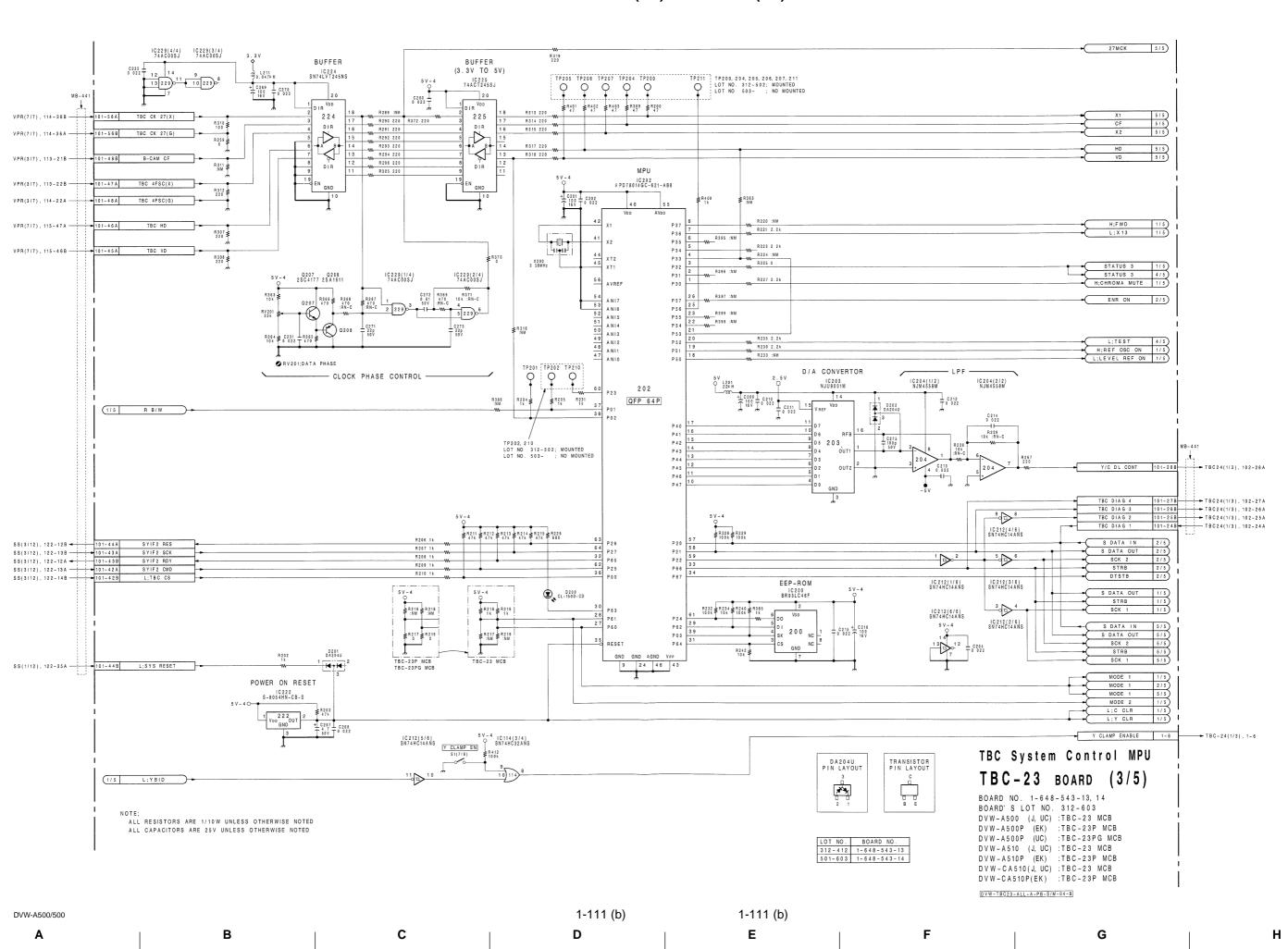
TBC Sequence TBC-23 BOARD (2/5)

BOARD NO. 1-648-543-13, 14 BOARD S LOT NO. 312-603 DVW-A500 (J, UC) :TBC-23 MCB DVW-A500P (EK) :TBC-23P MCB DVW-A500P (UC) :TBC-23PG MCB DVW-A510 (J, UC) :TBC-23 MCB DVW-A510P (EK) :TBC-23P MCB DVW-CA510(J, UC) :TBC-23 MCB DVW-CA510P(EK) :TBC-23P MCB

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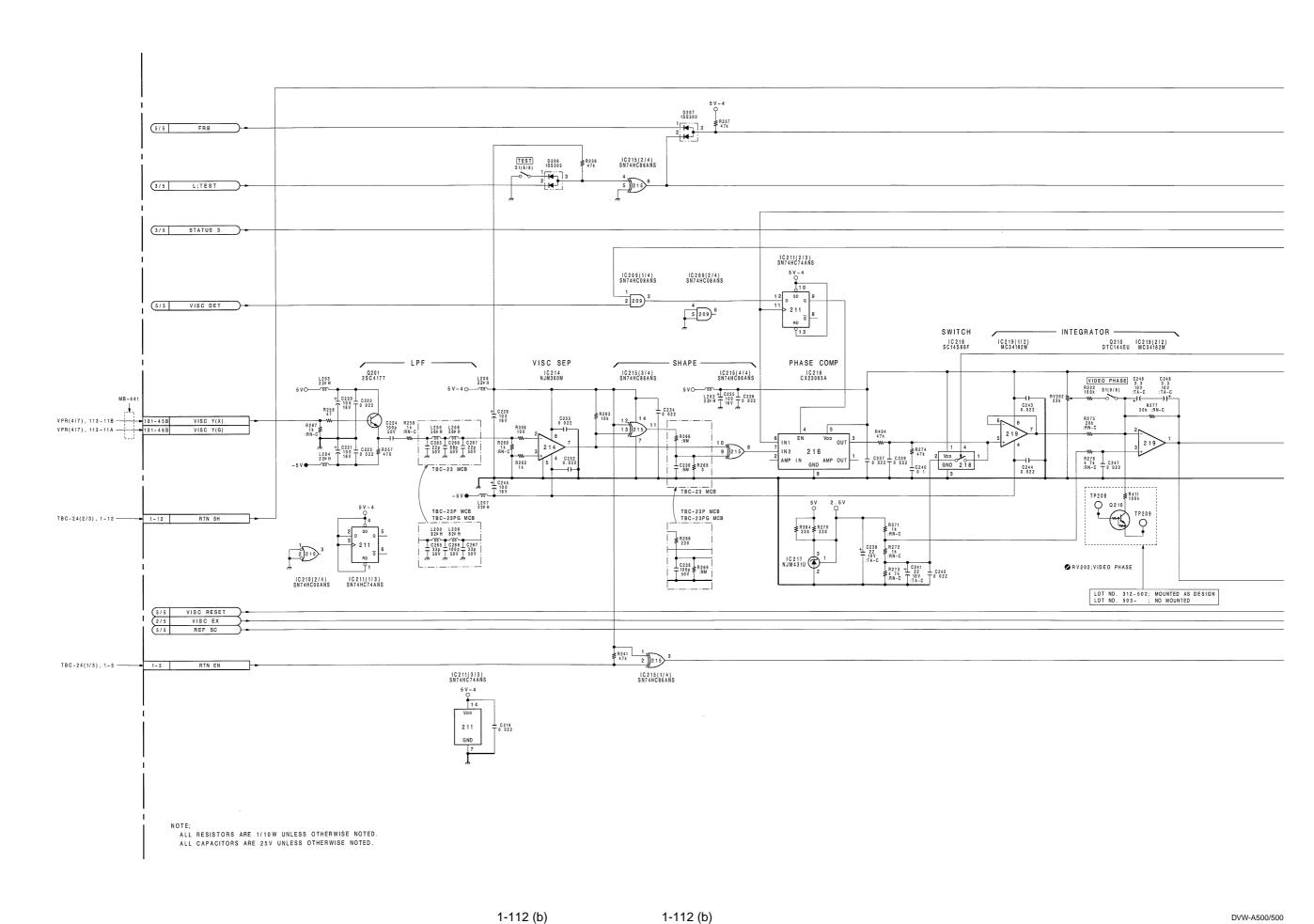
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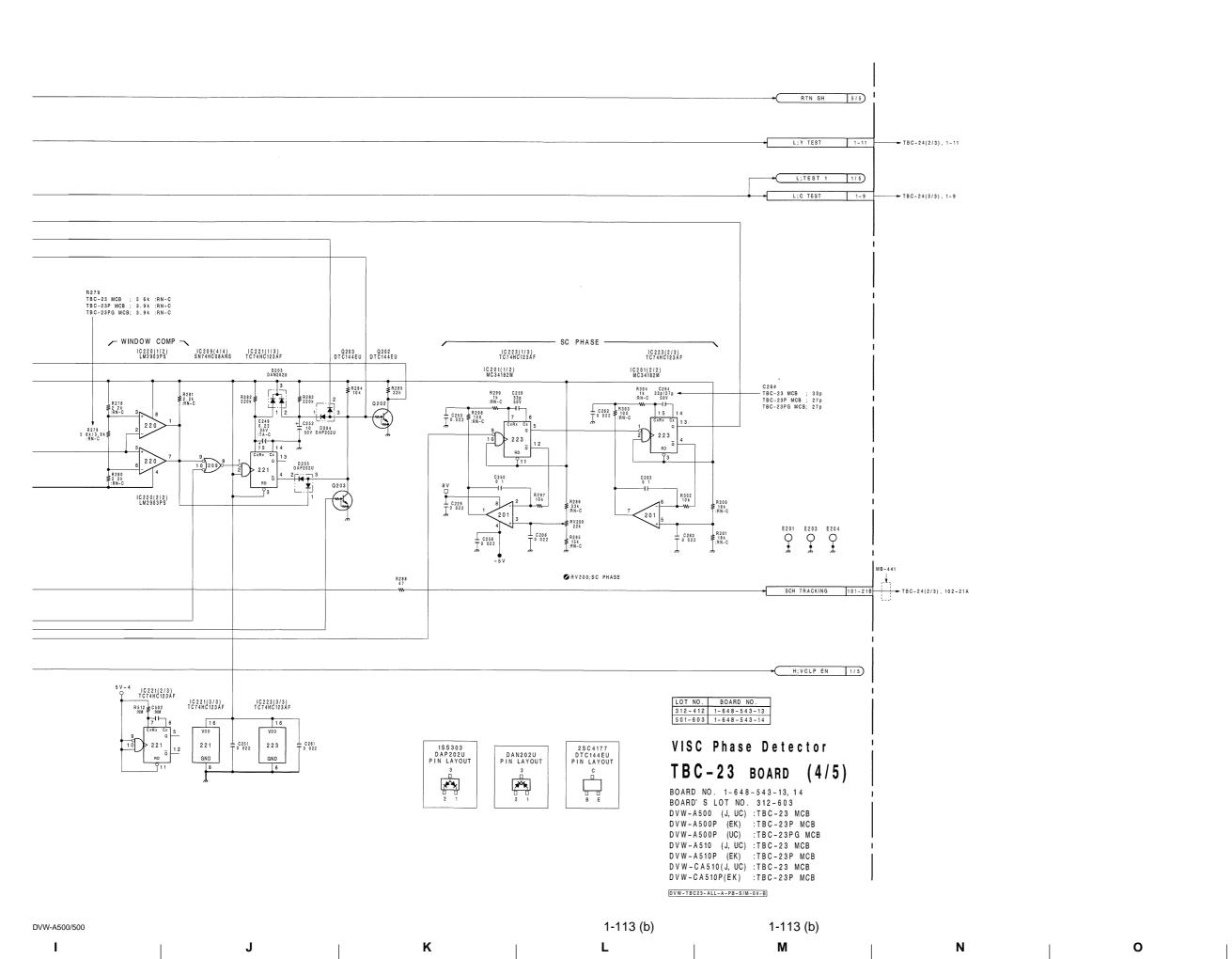
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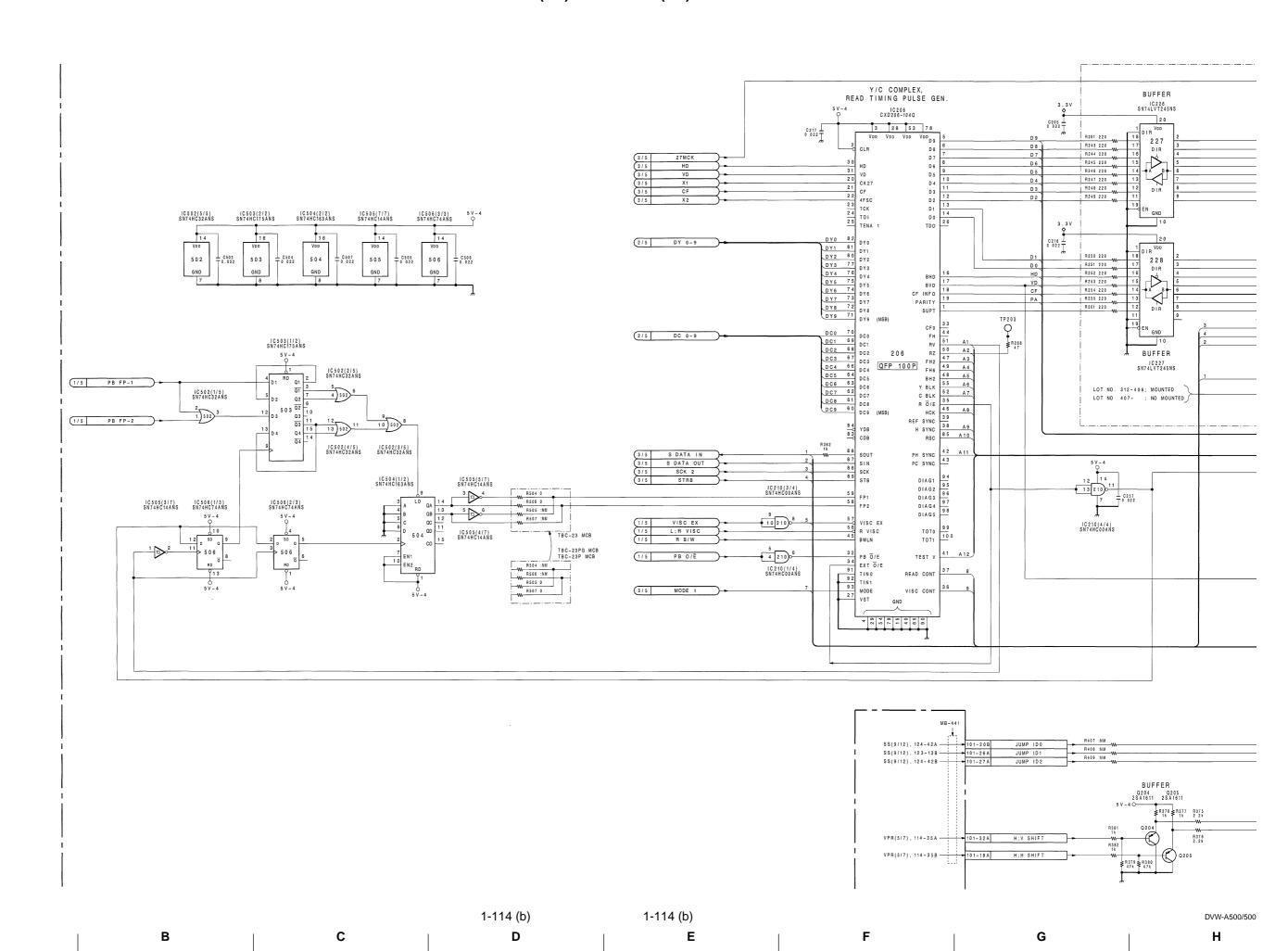
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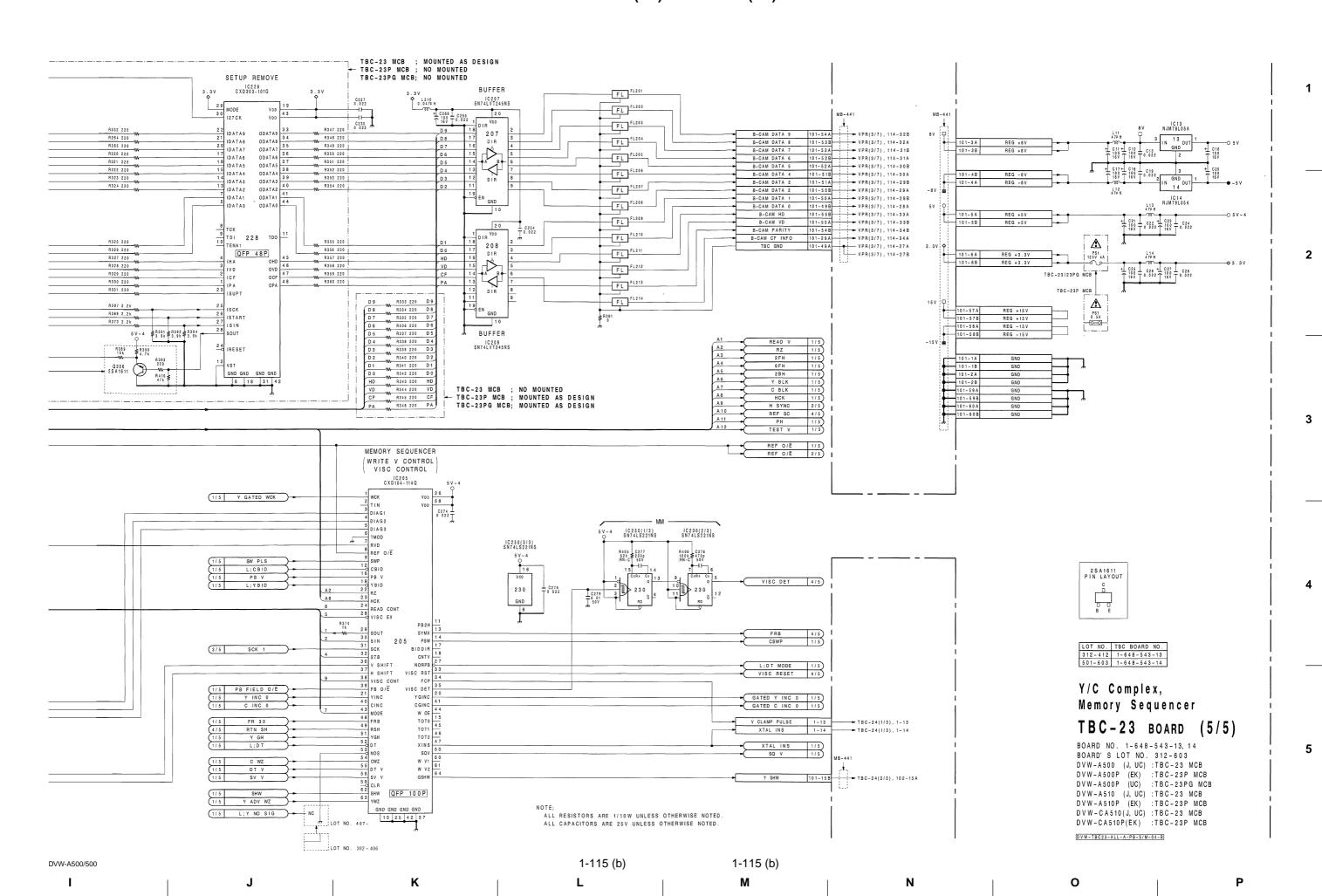
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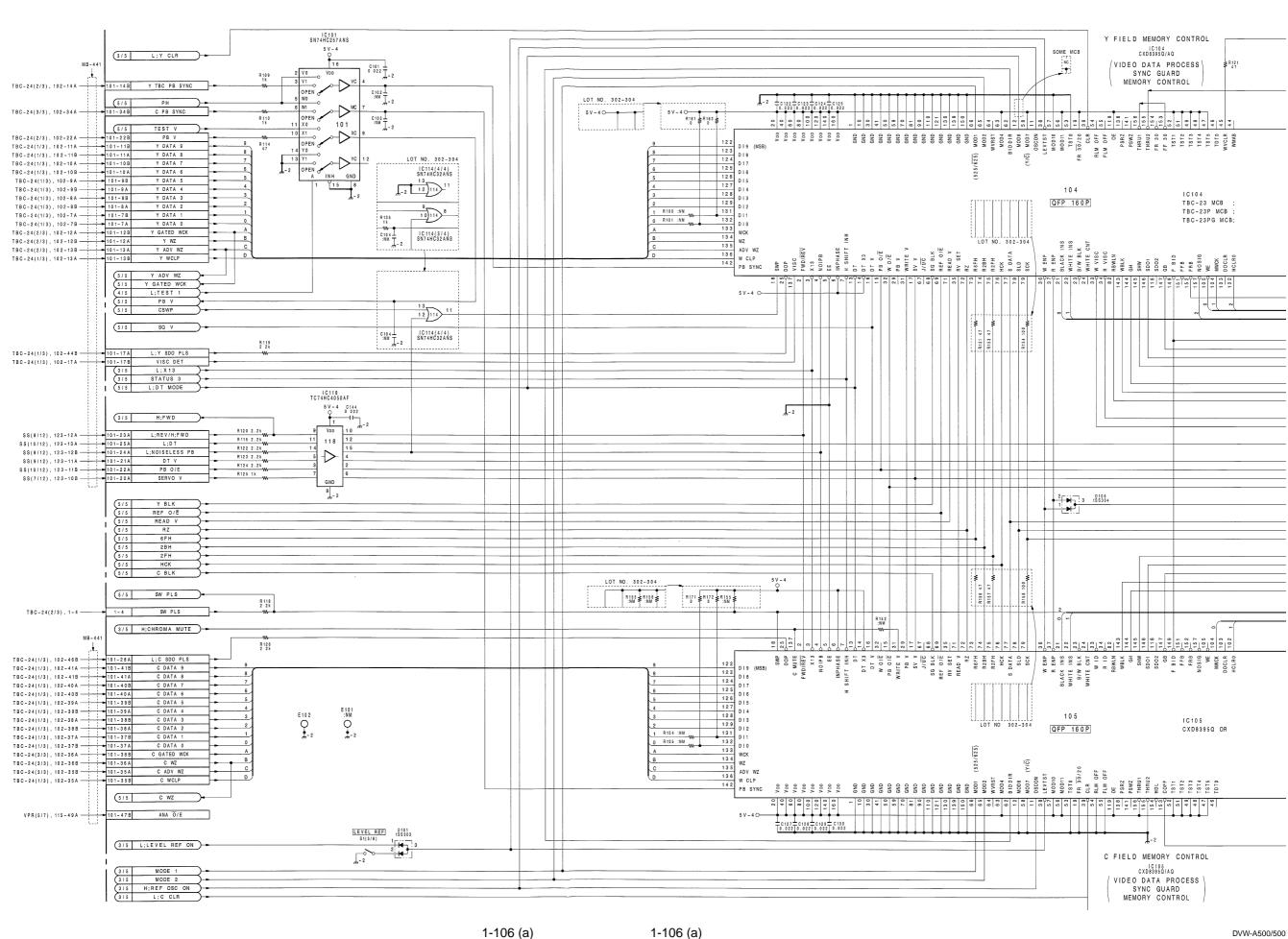


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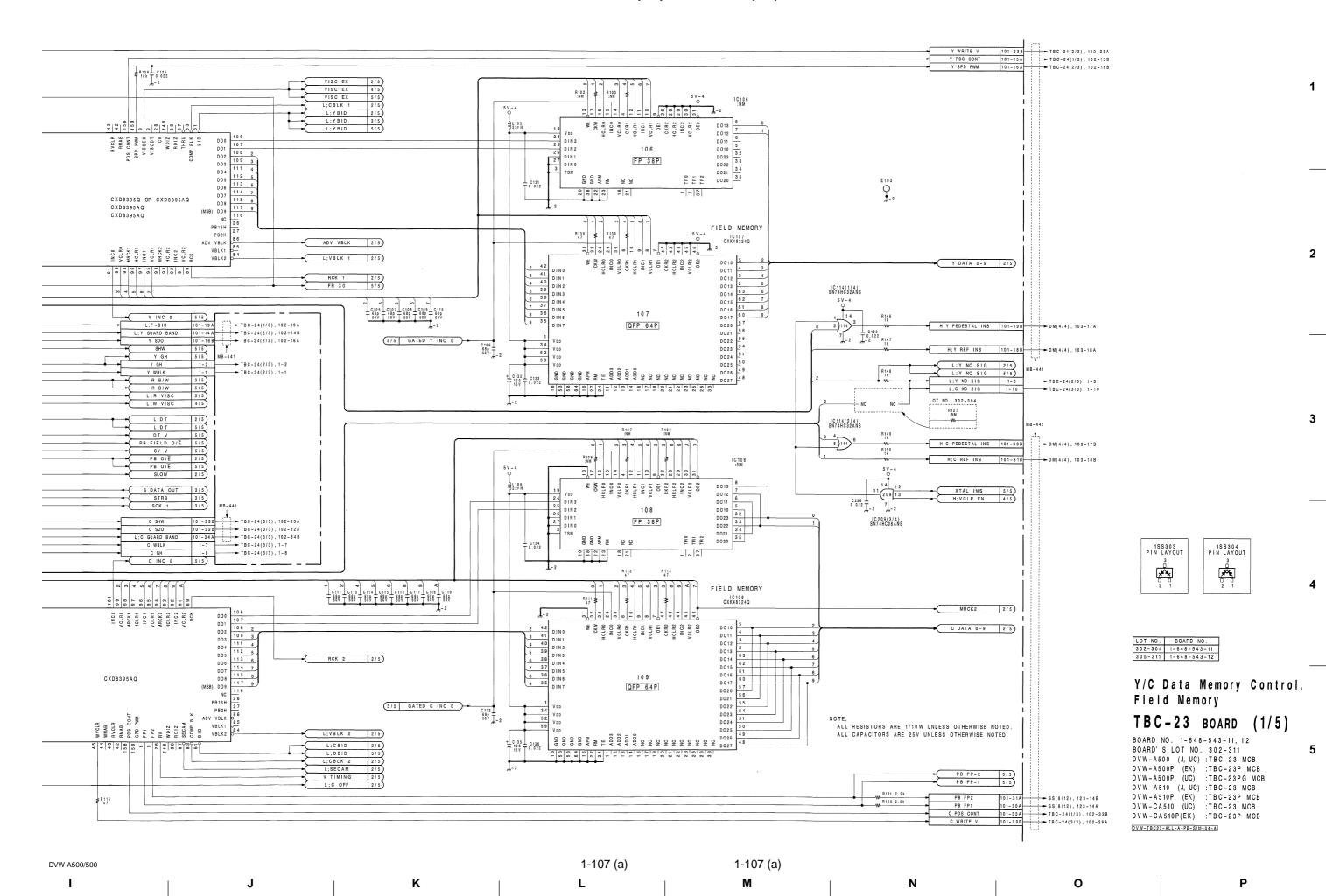
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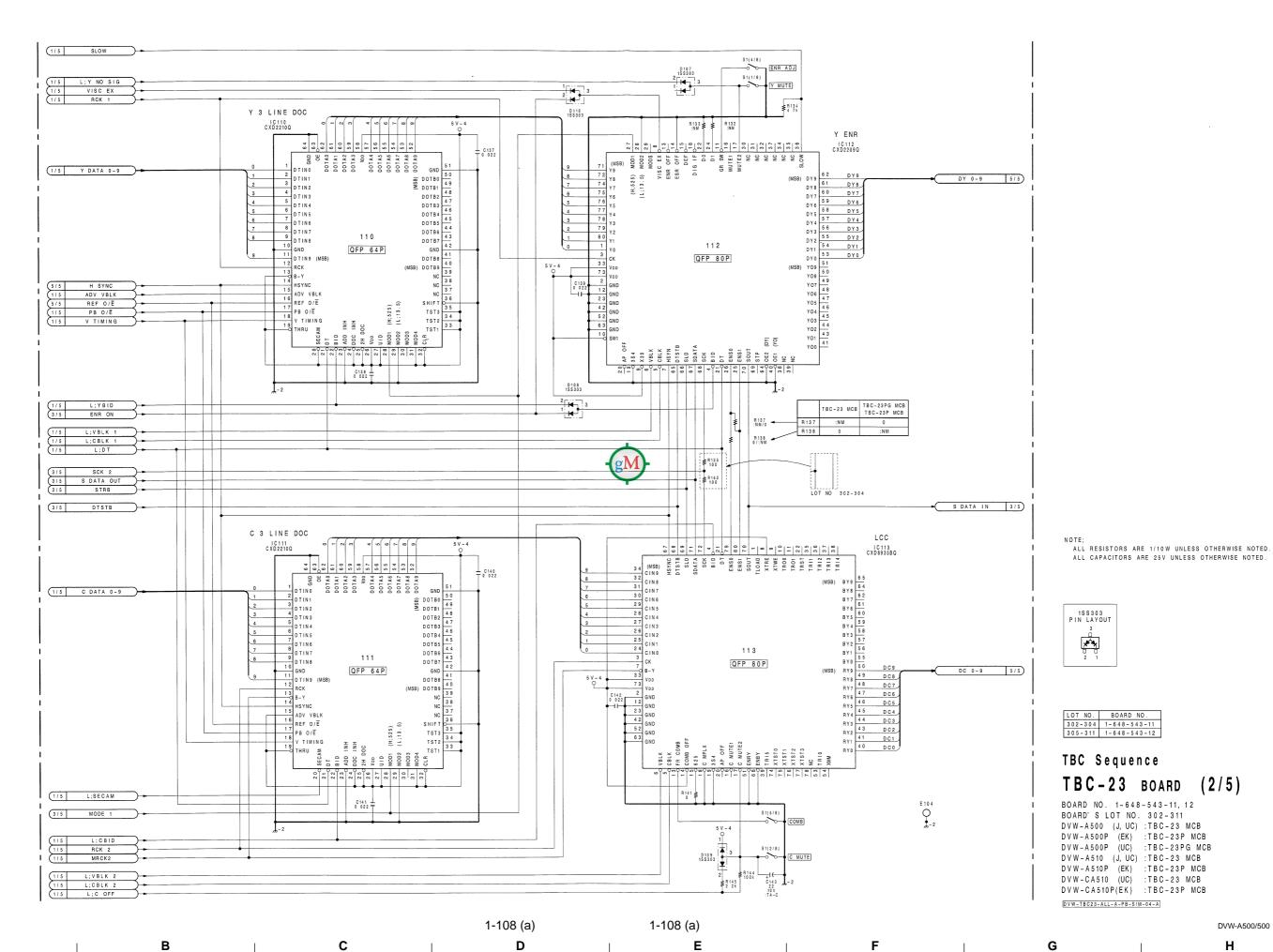
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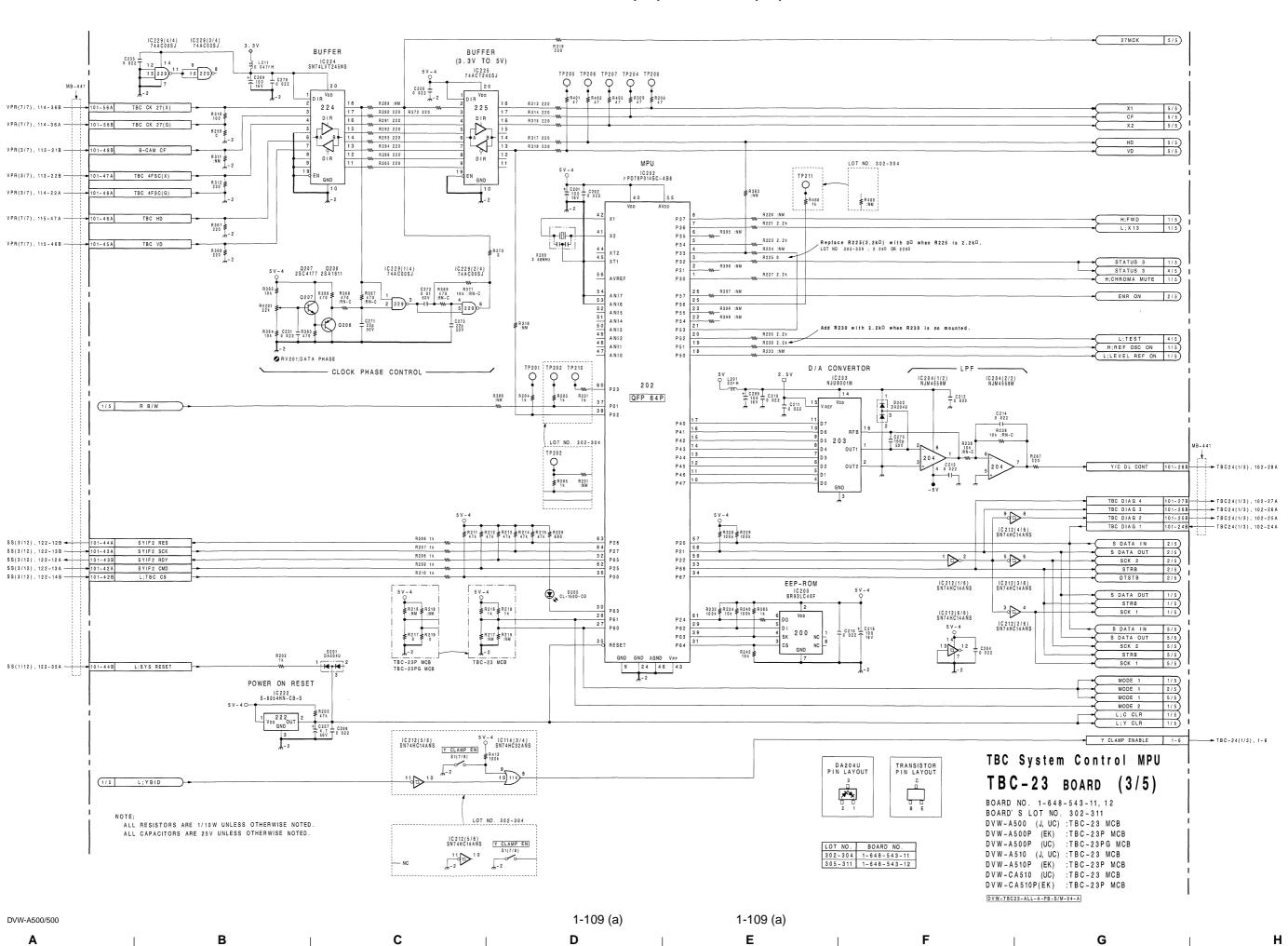
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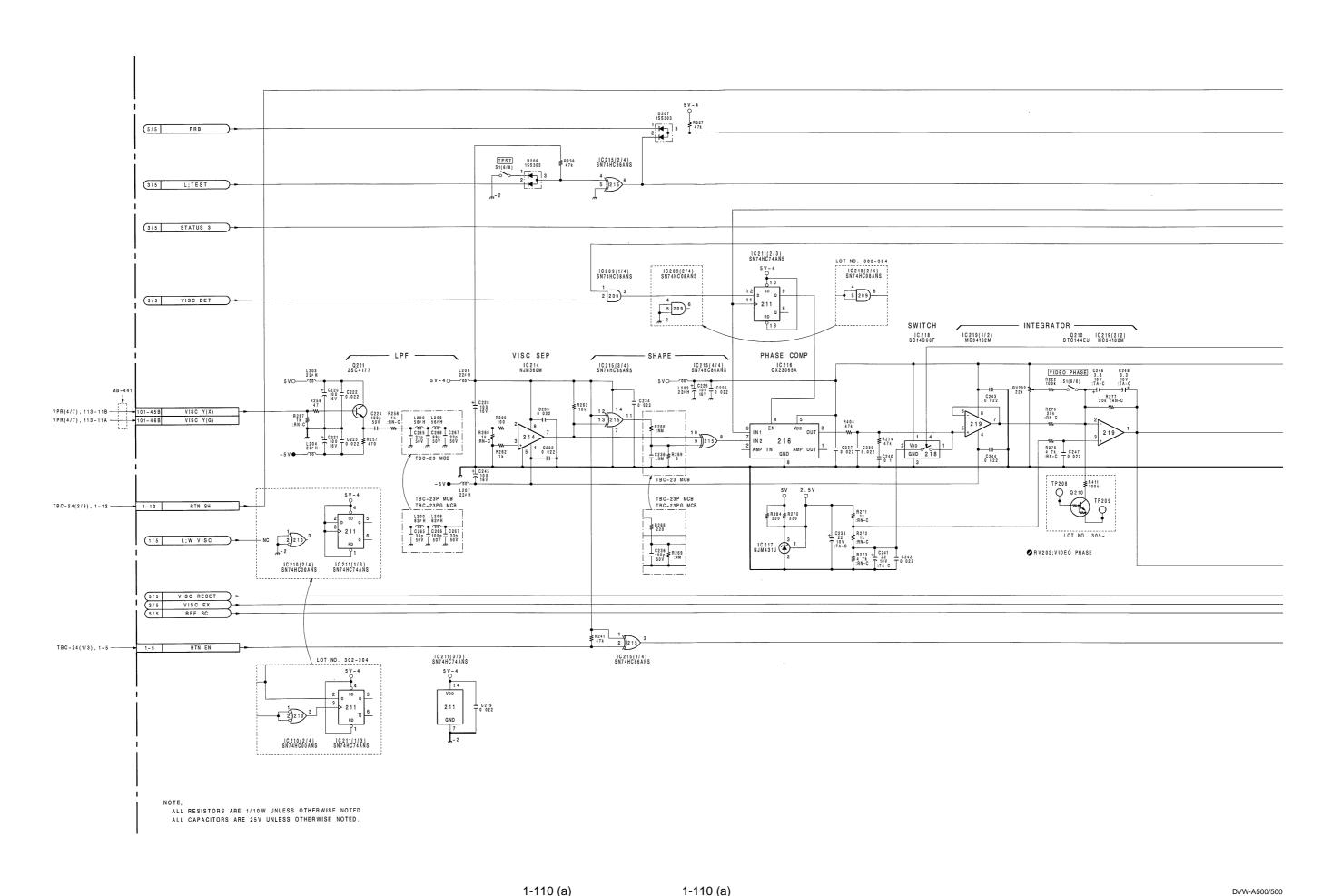




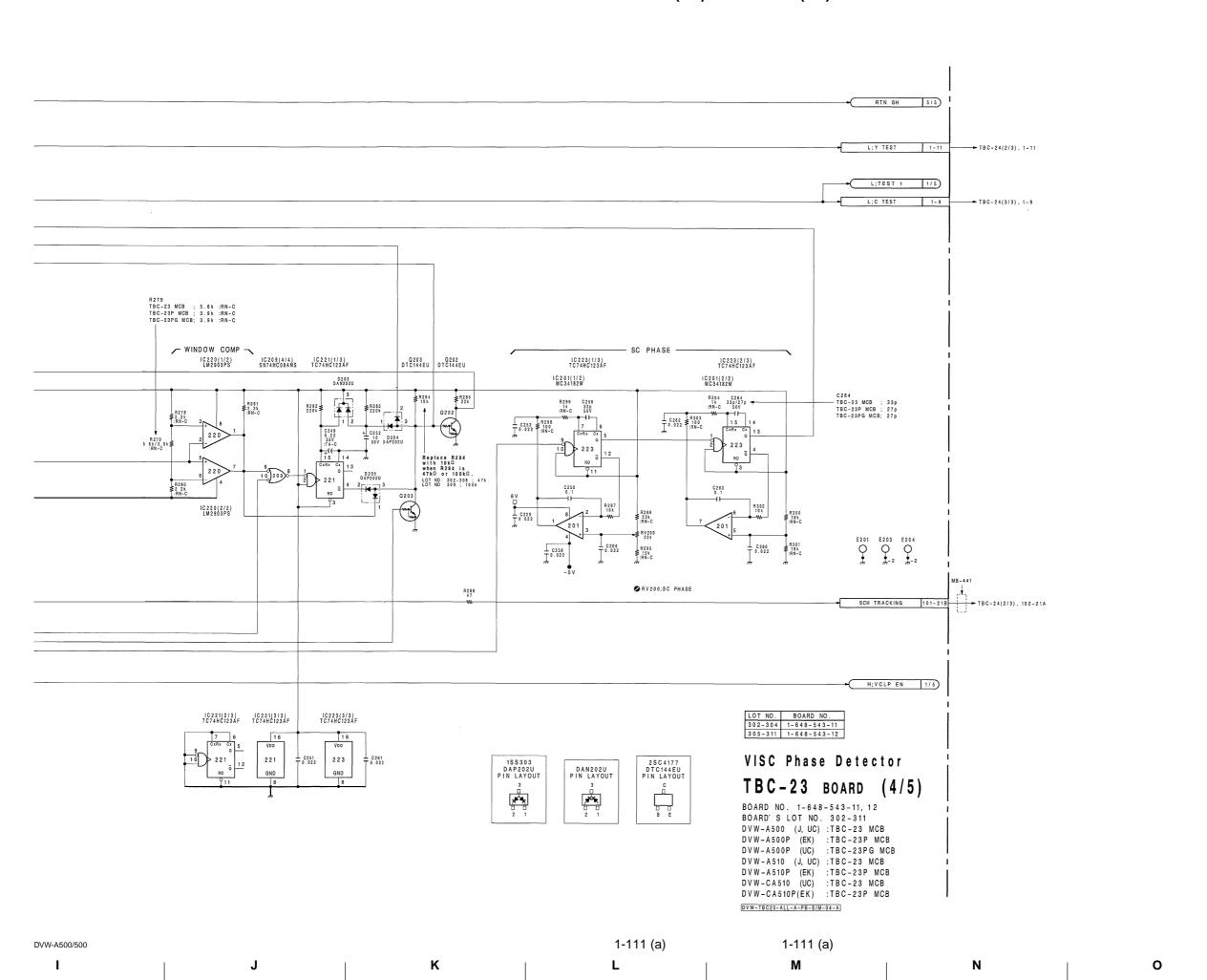
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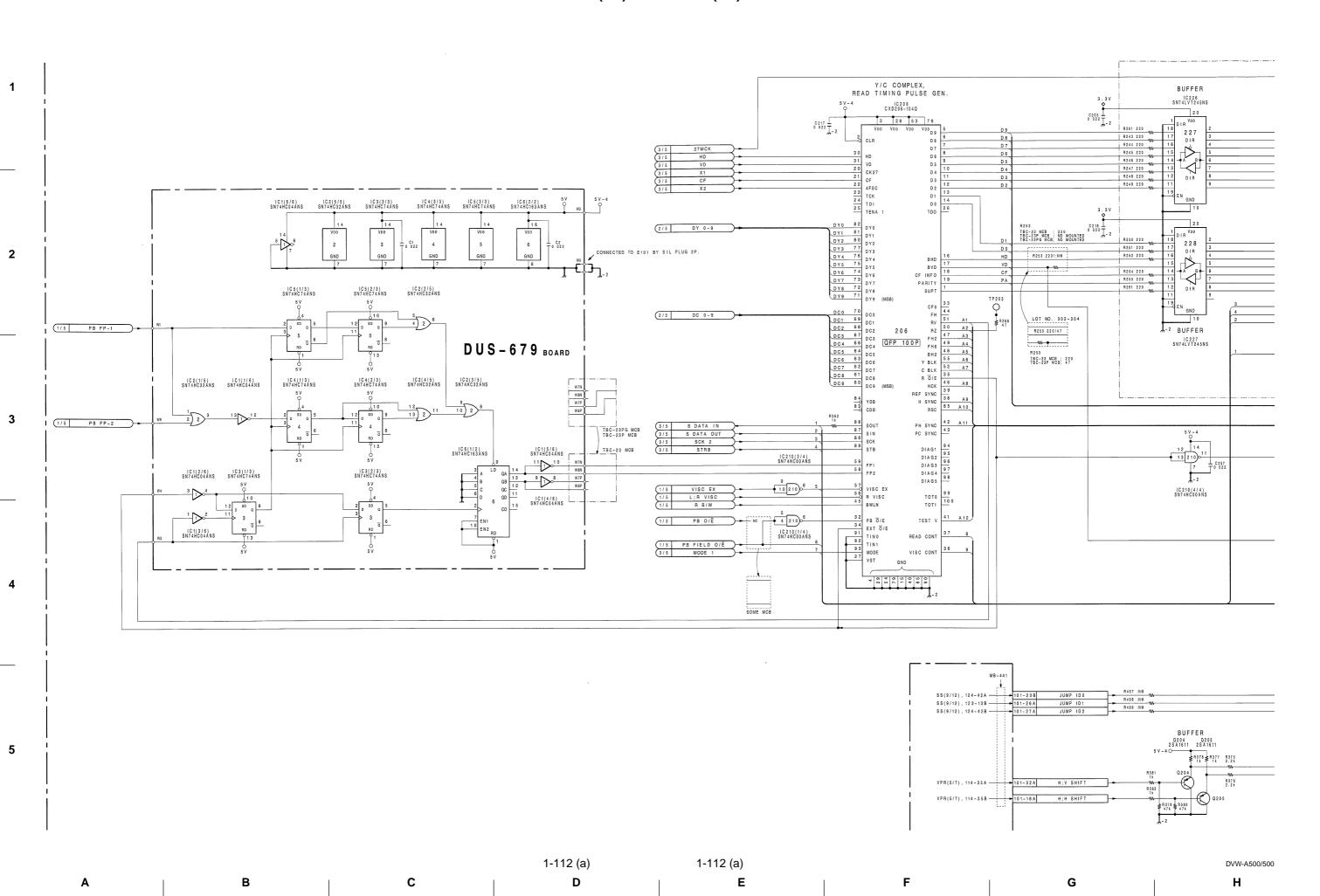
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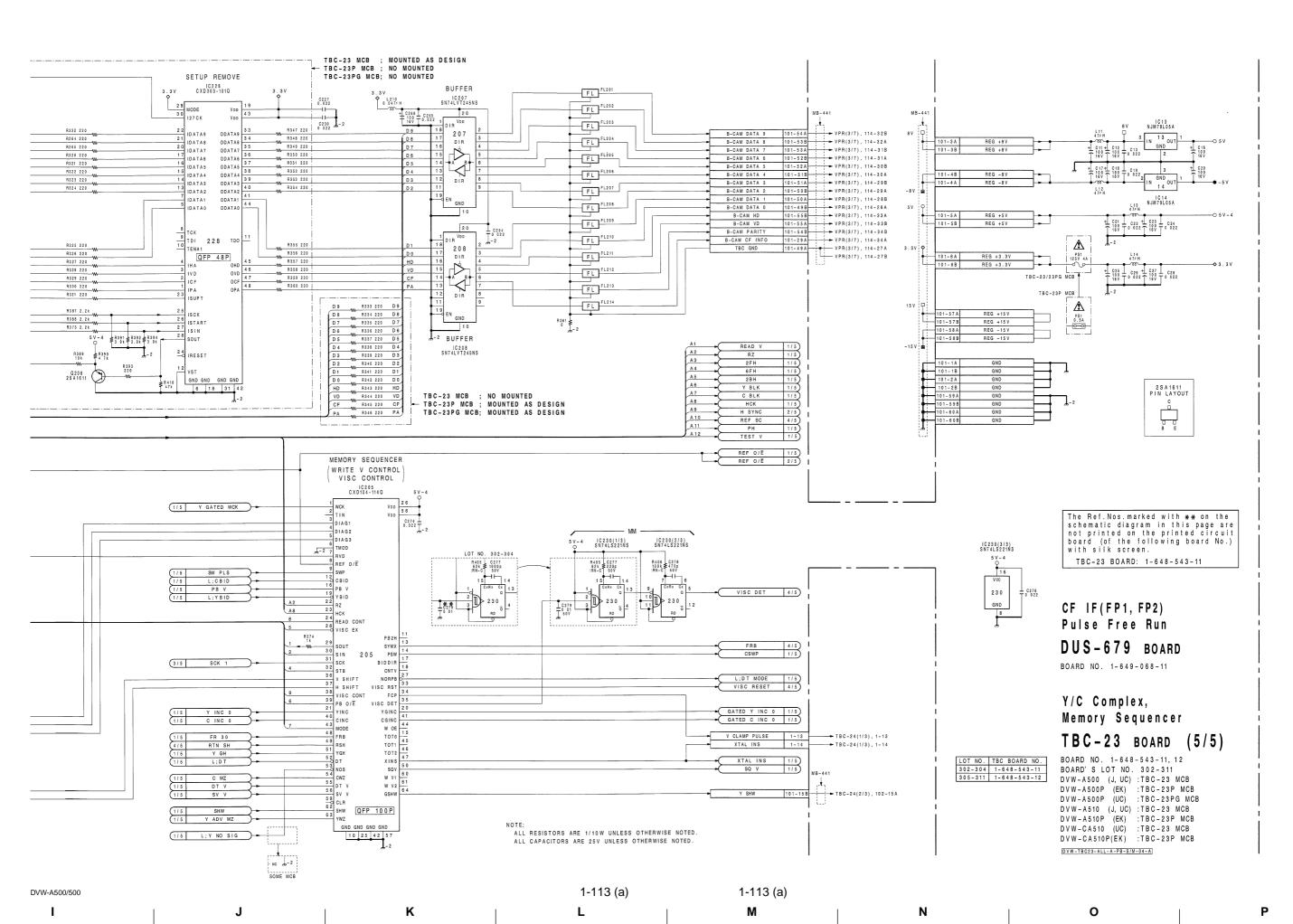


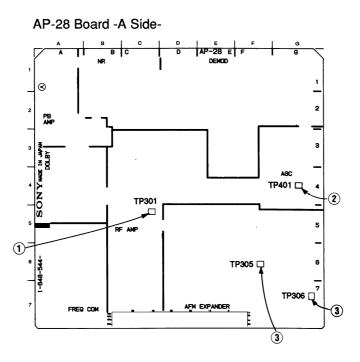
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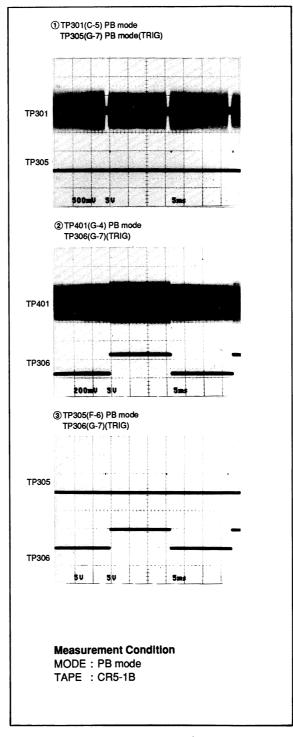
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① TP301(C-5) PB mode TP305(G-7) PB mode(TRIG) TP305 @TP401(G-4) PB mode TP306(G-7)(TRIG) TP401 TP306 ③ TP305(F-6) PB mode TP306(G-7)(TRIG) 50 50 g **Measurement Condition** MODE: PB mode TAPE : CR5-1BPS

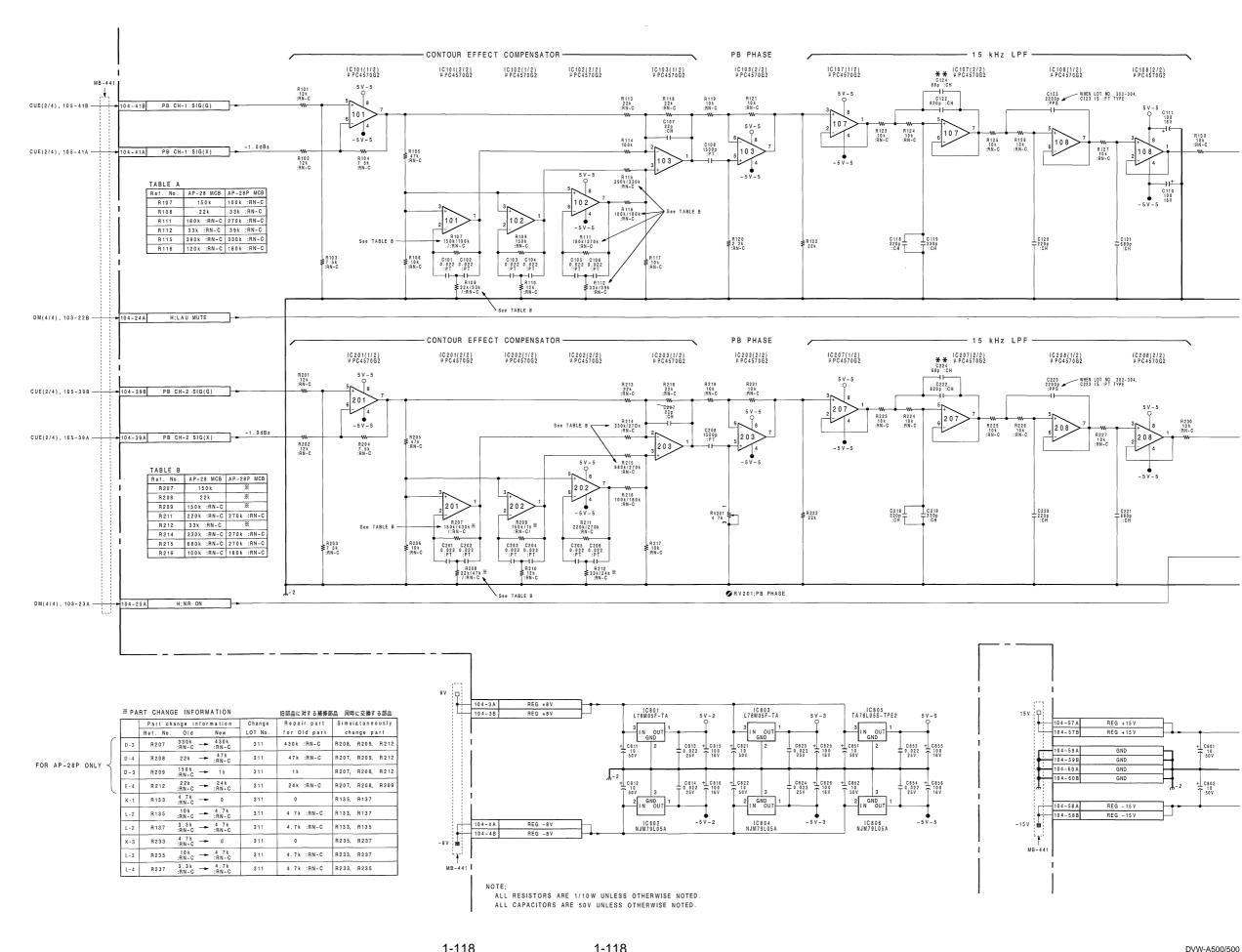
For DVW-A500/A510/CA510

For DVW-A500P/A510P/CA510P

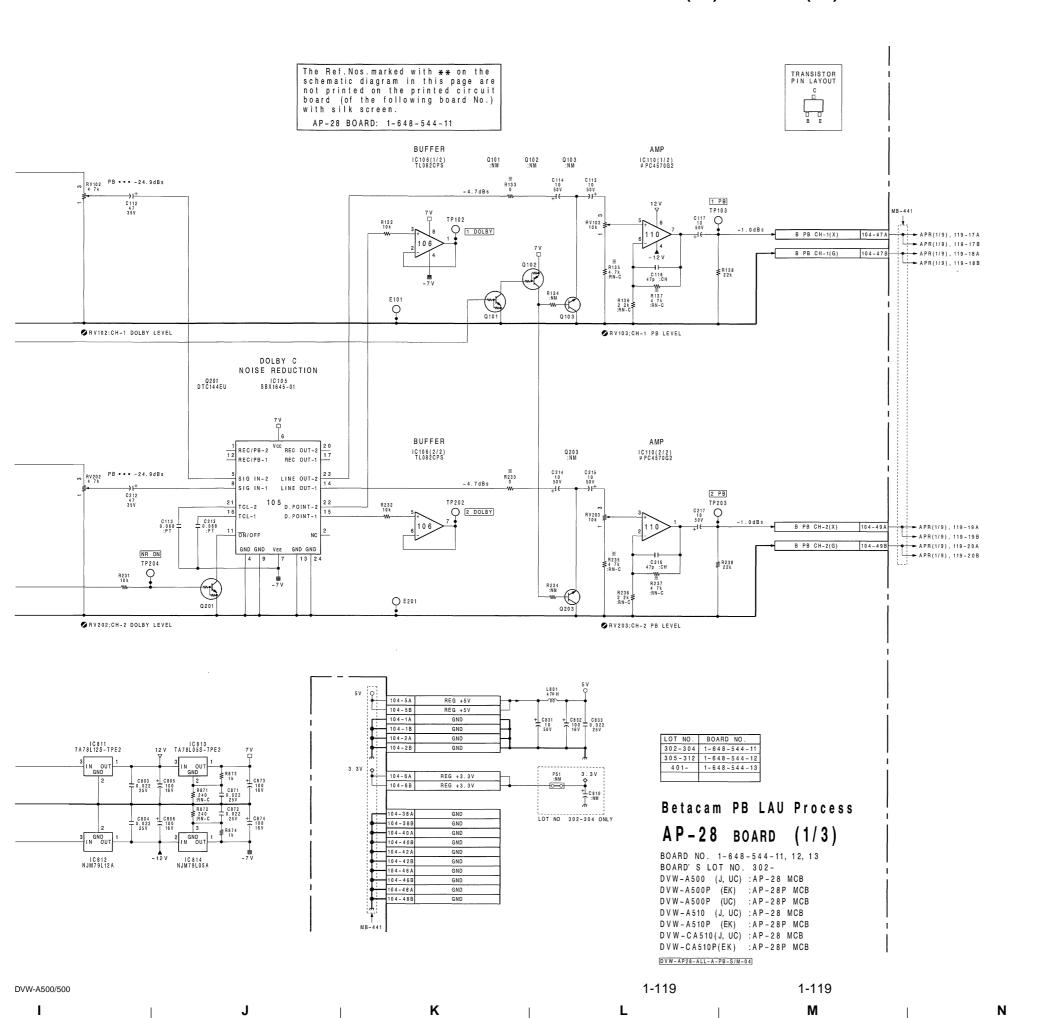
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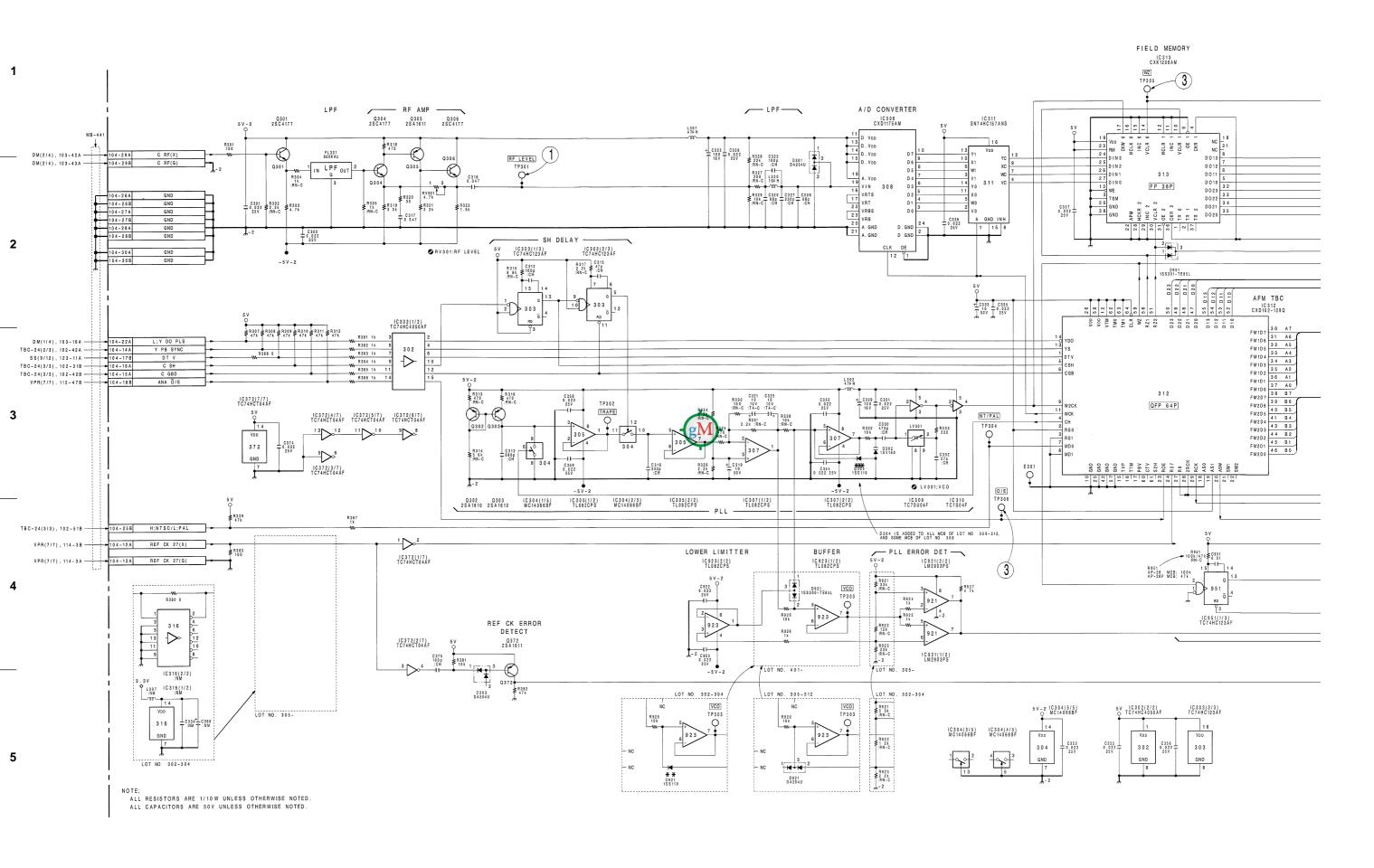
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1-118 1-118 | B | C | D | E | F | G

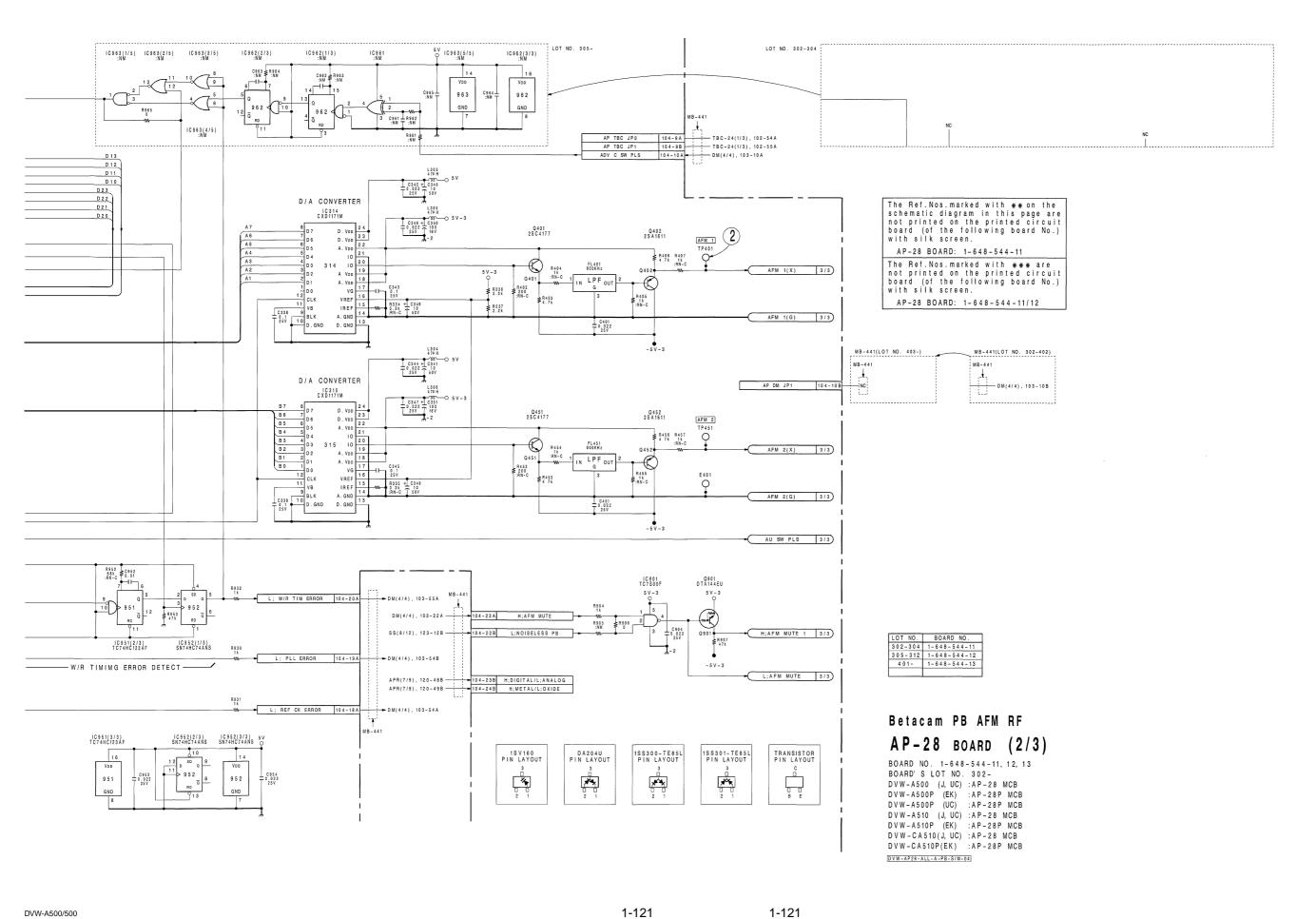


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1-120 1-120 Tovw-A500/500

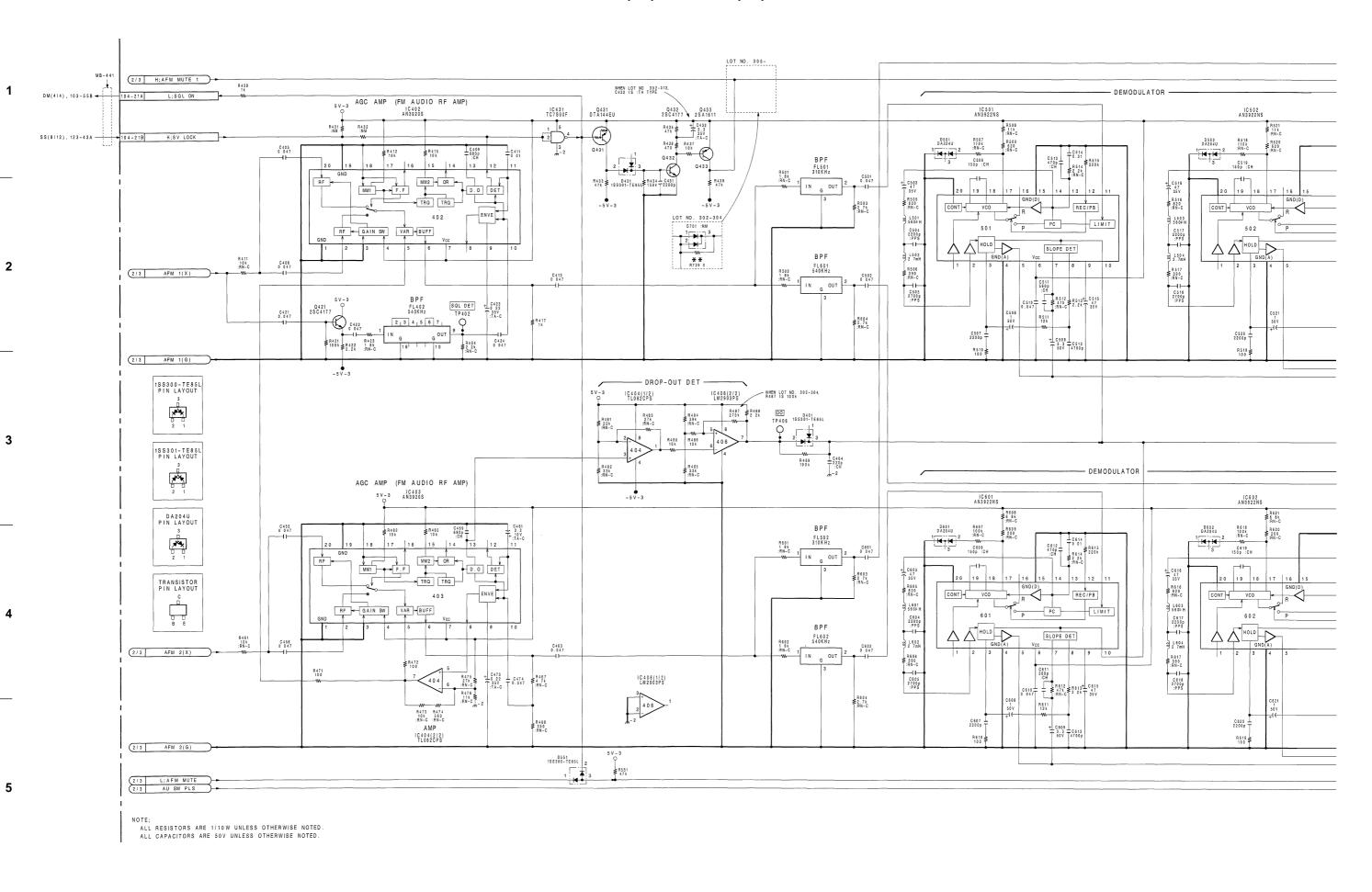
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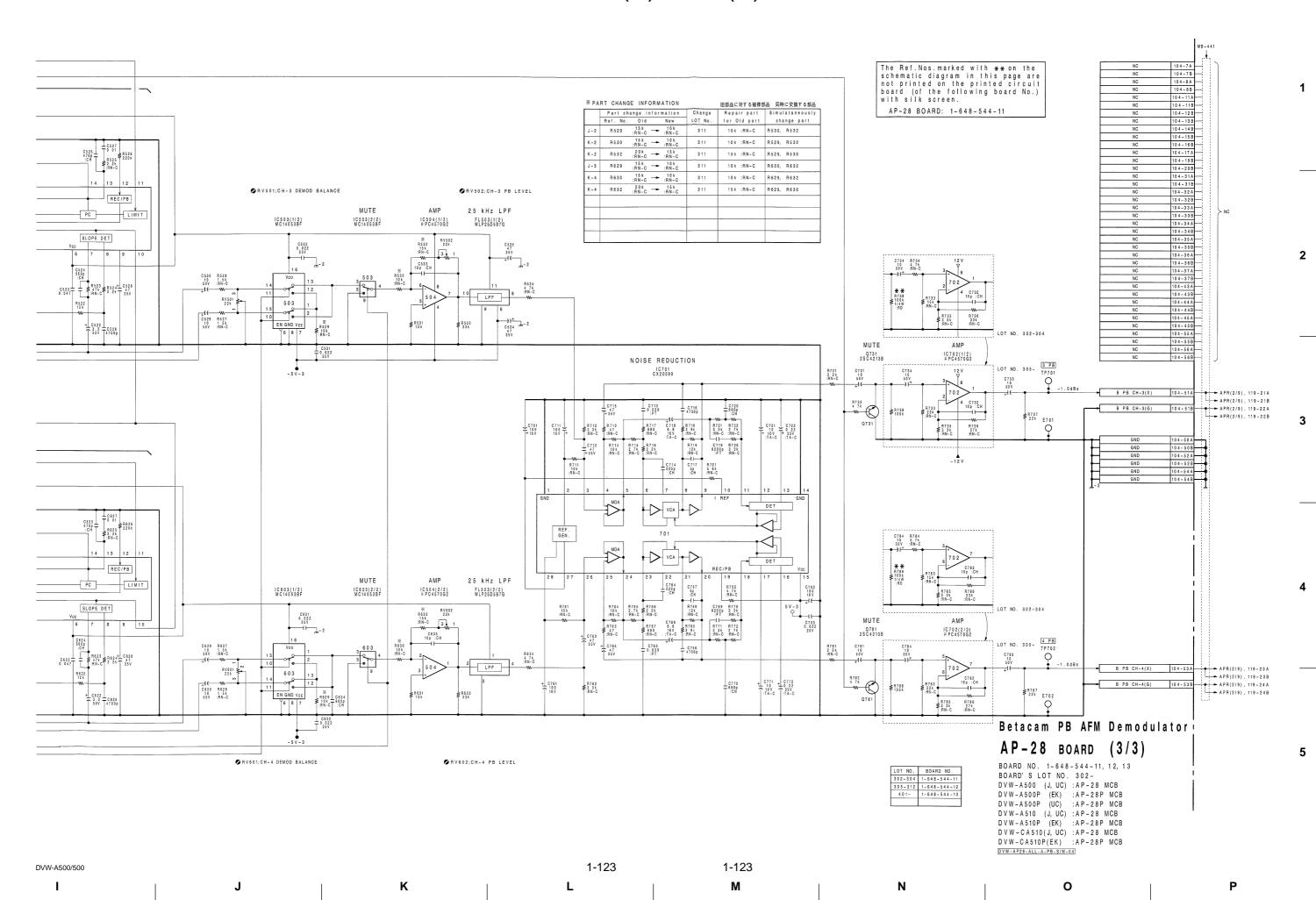
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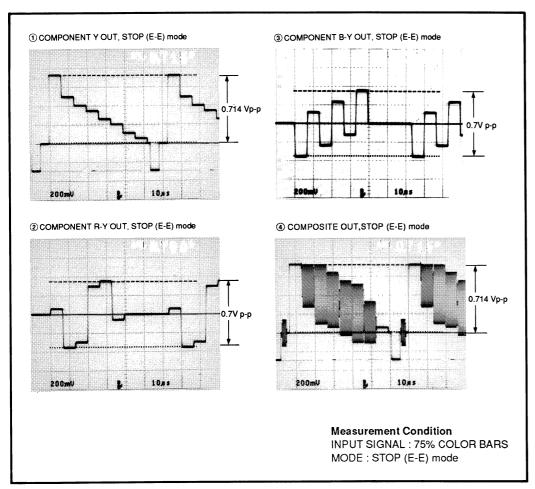
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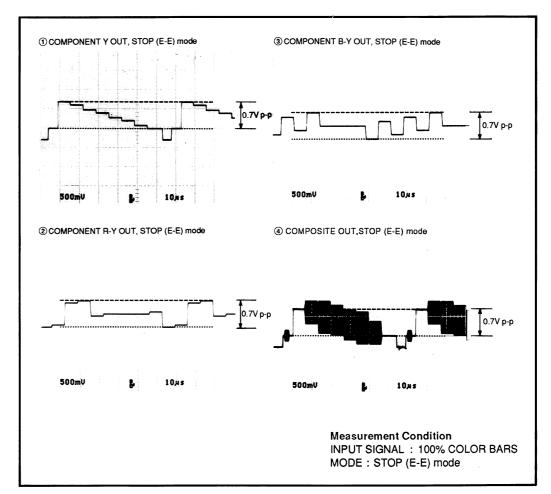


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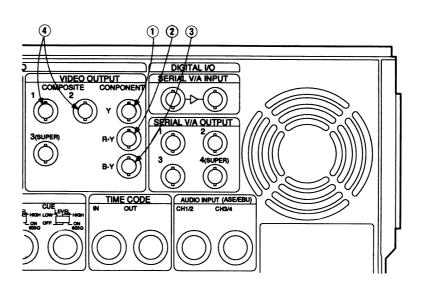




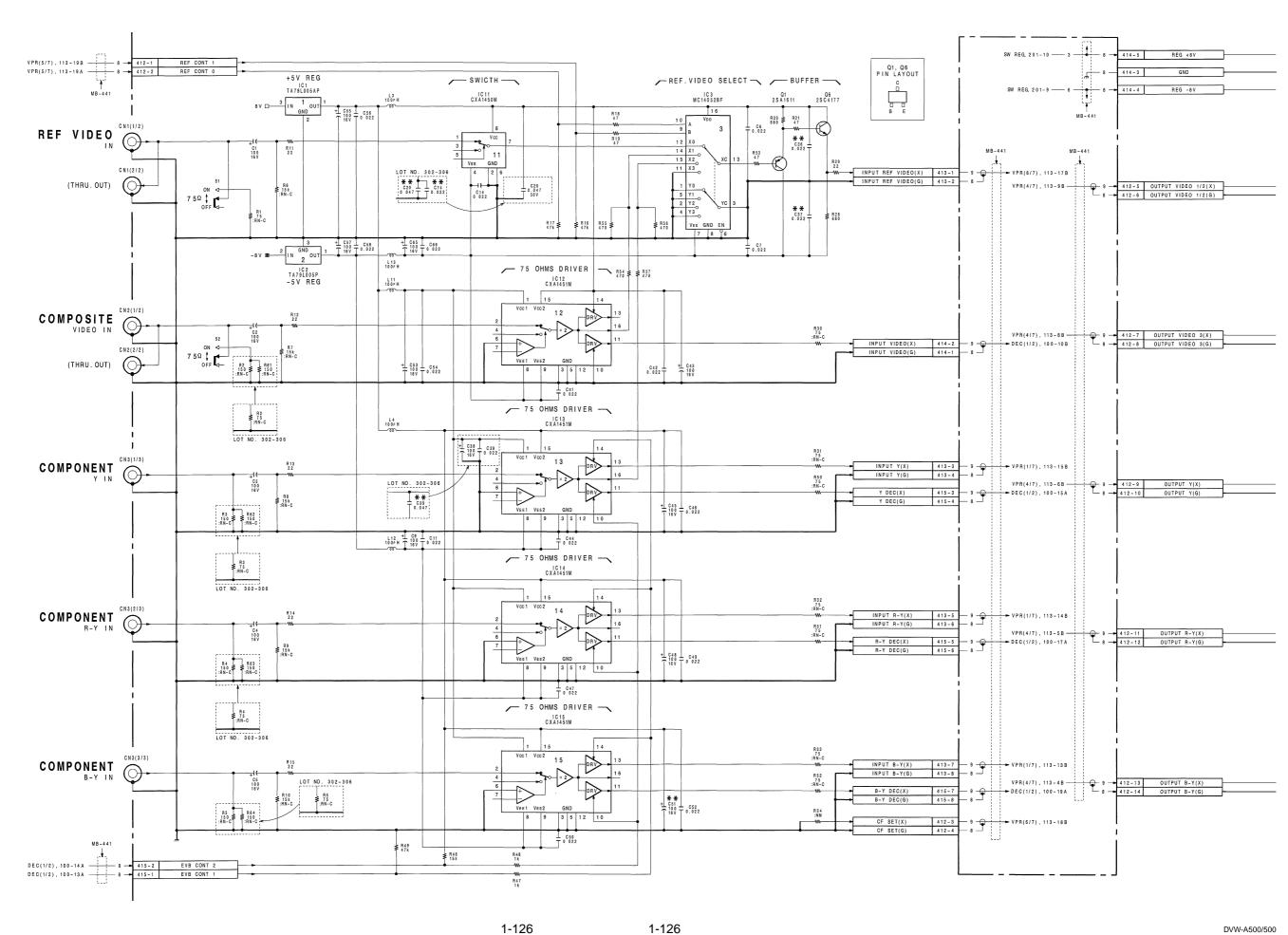
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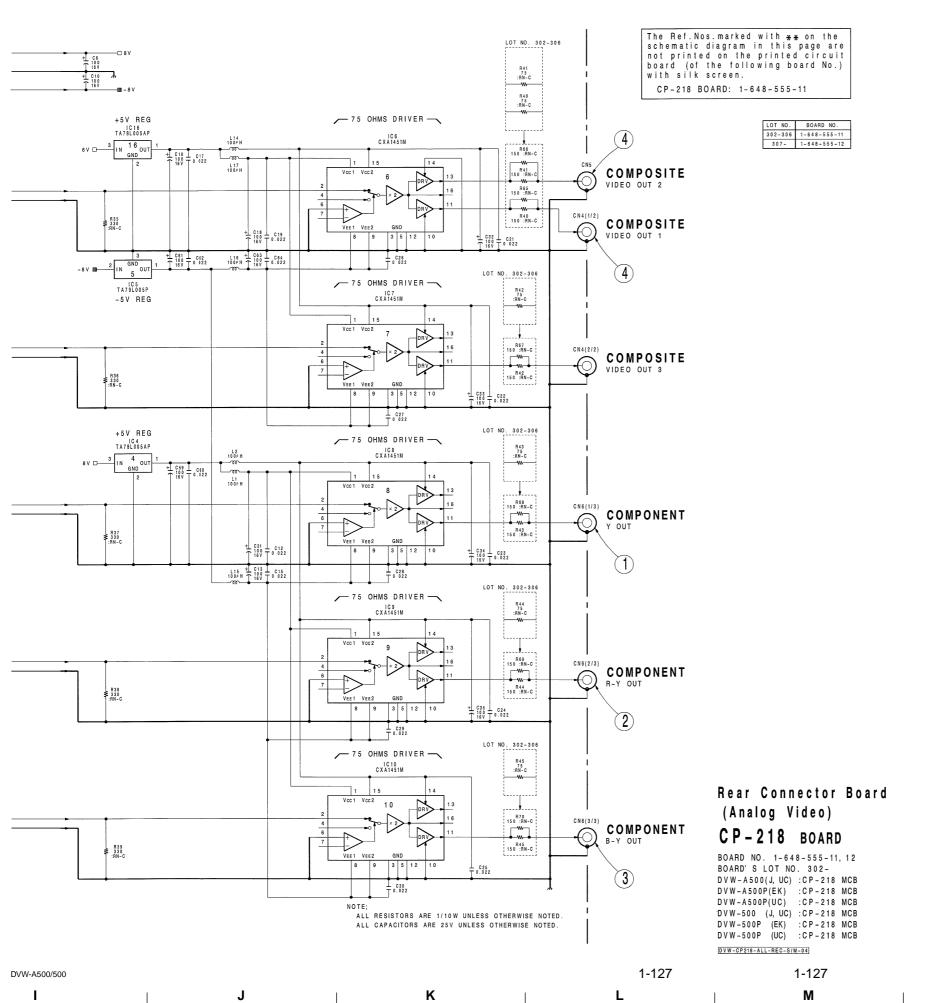
For DVW-A500P/500P



http://getMANUAL.com



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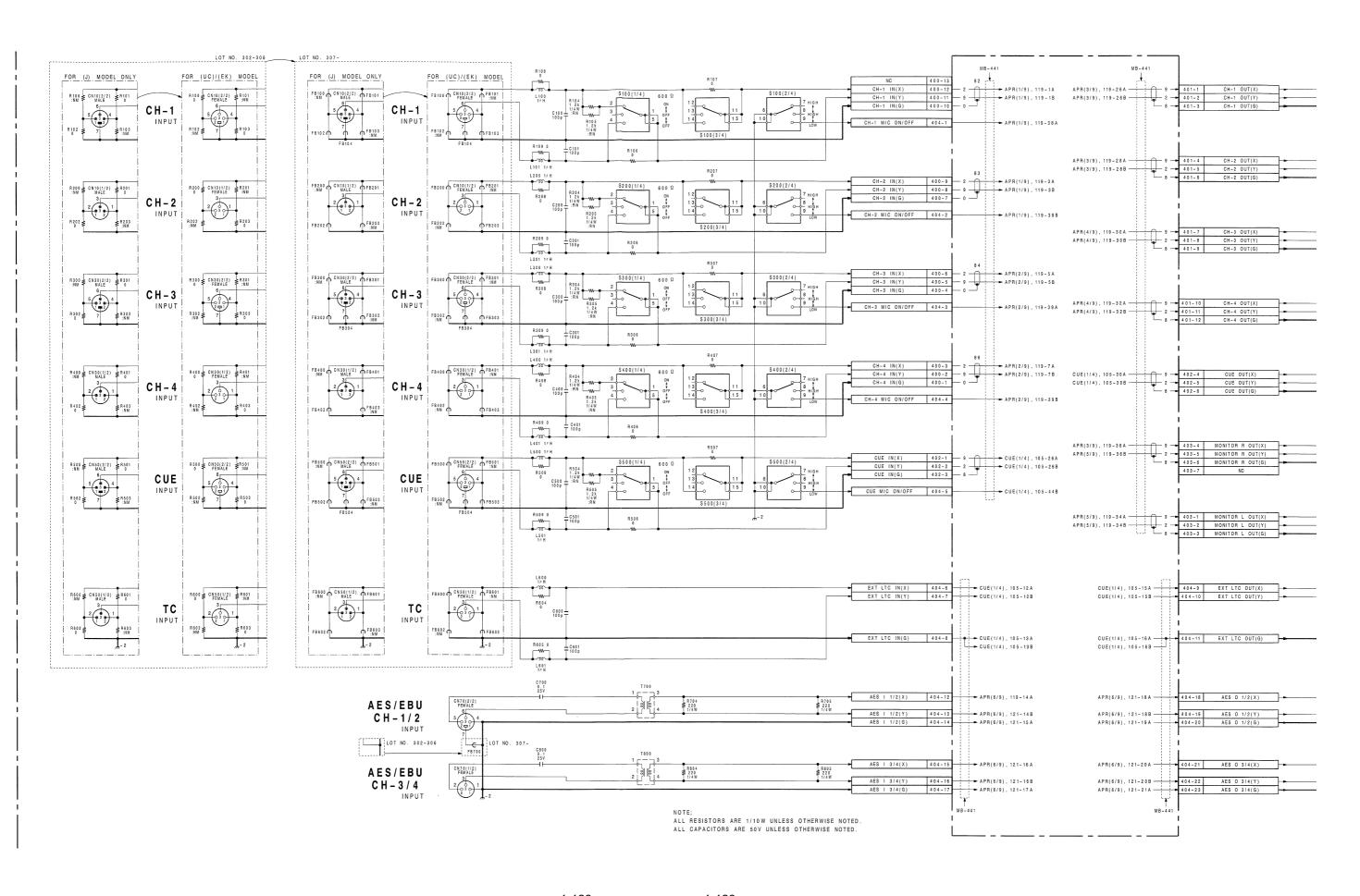


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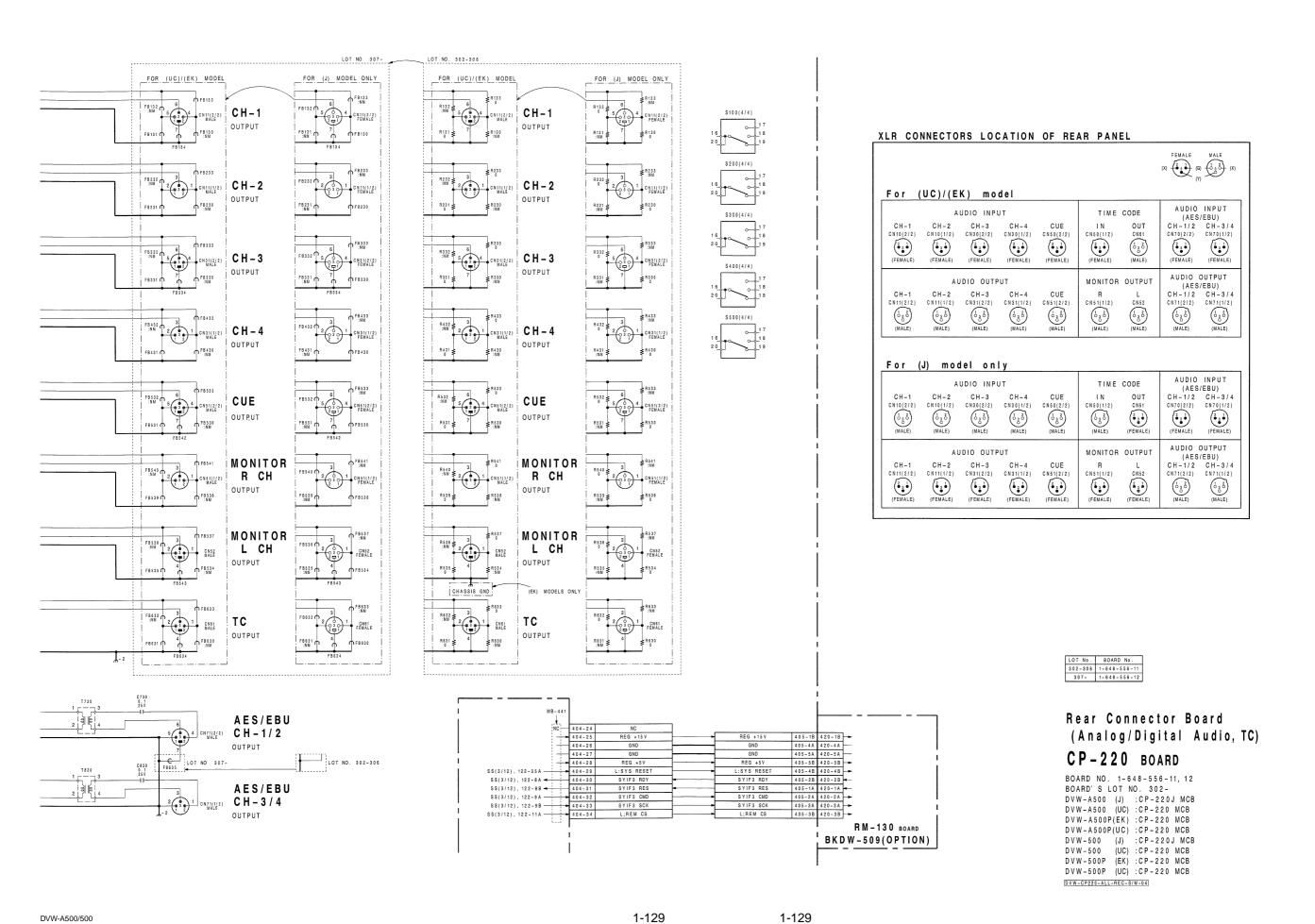
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1-128 1-128 DVW-A500/500

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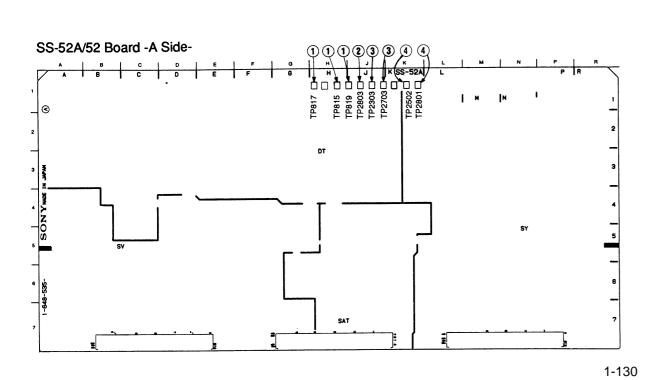


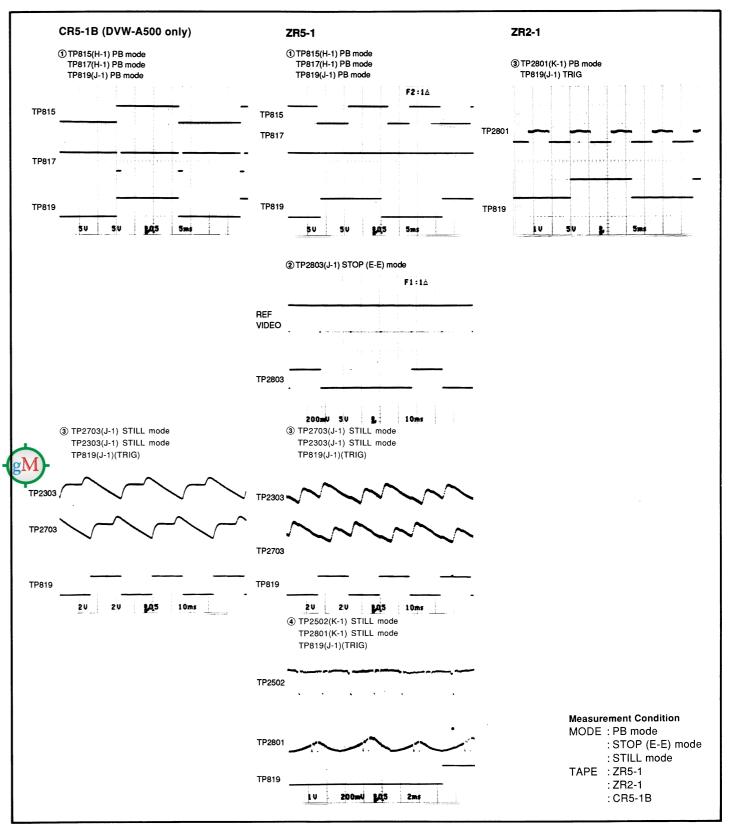
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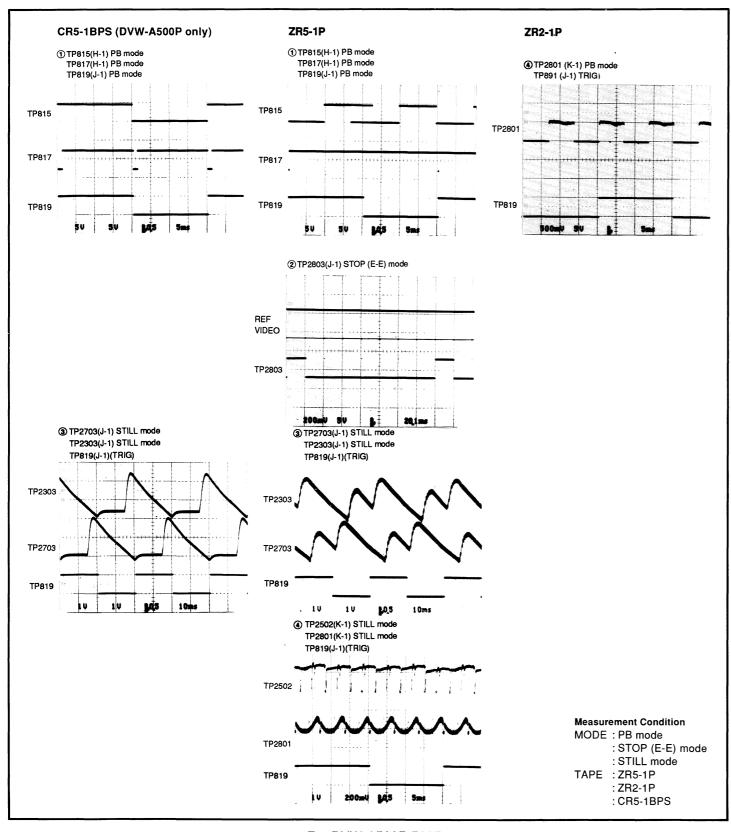
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For DVW-A500/500

SS-52A/52



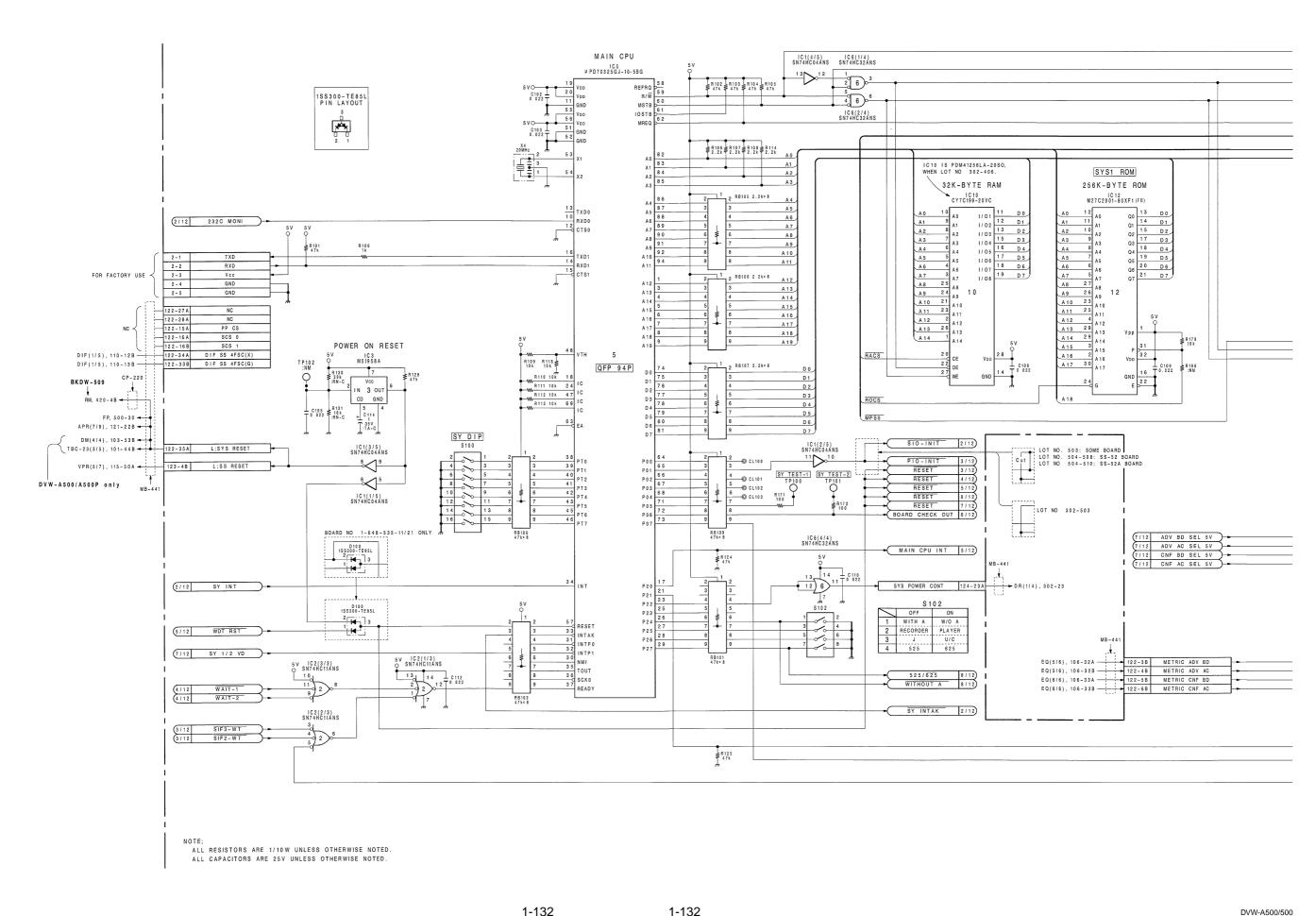
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1-131 1-131 DVW-A500/500

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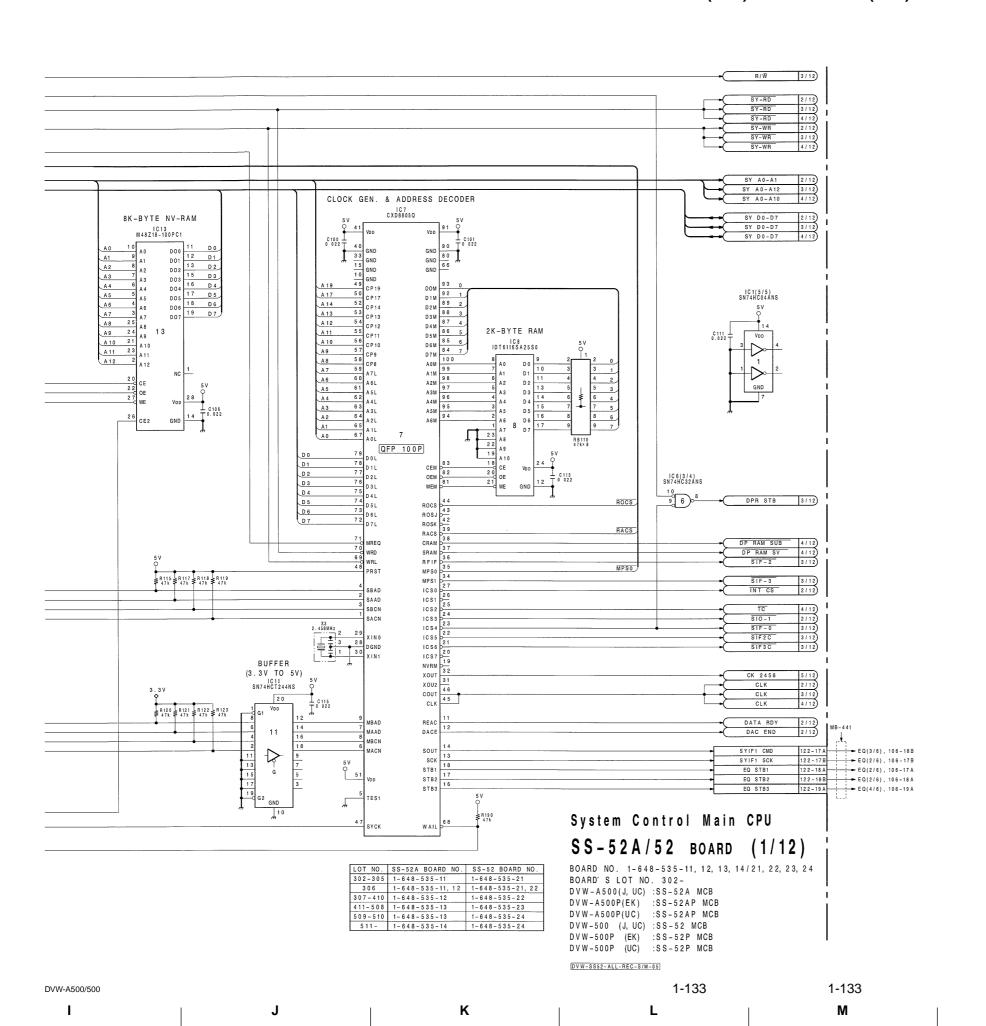
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1-132 1-132 DVW-A500

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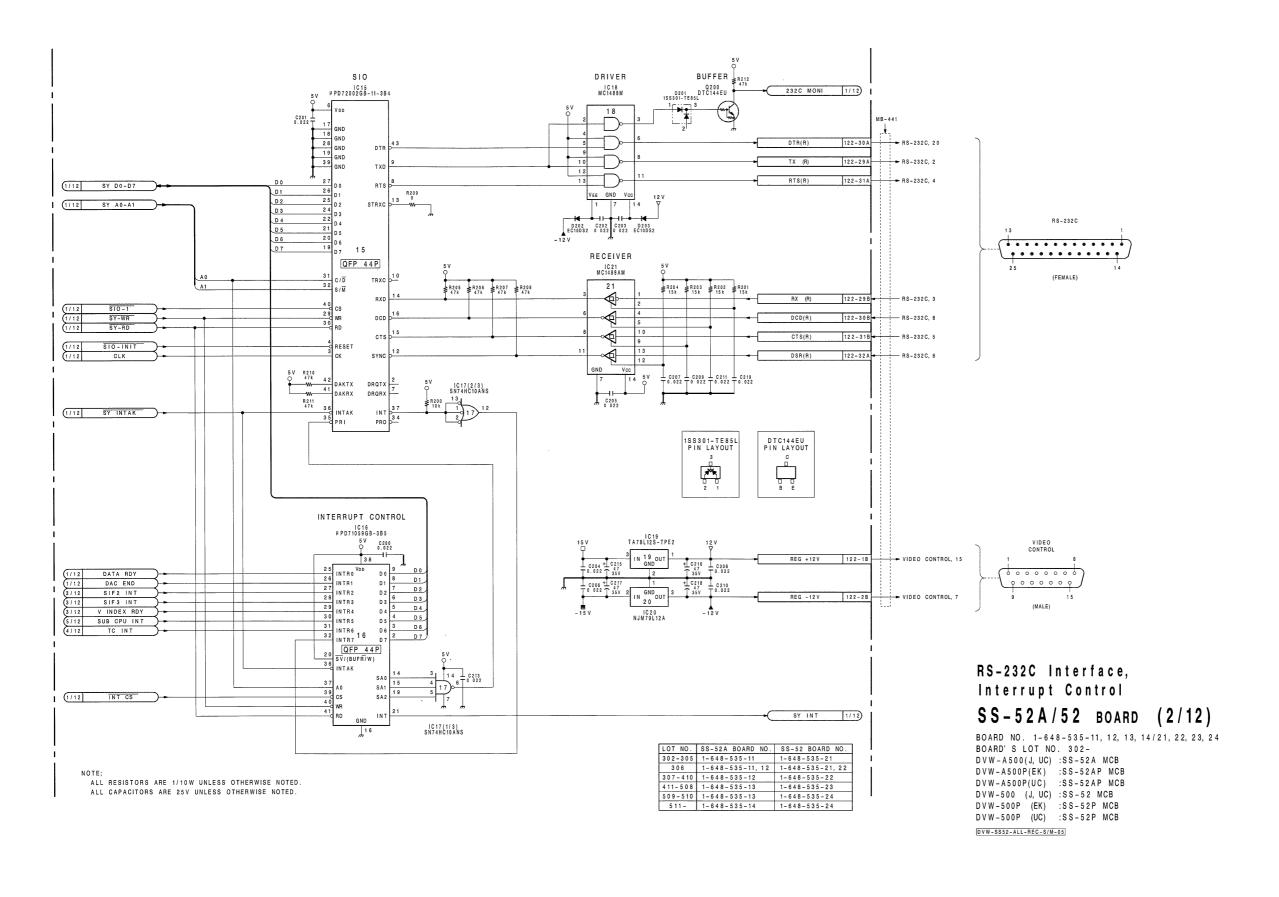
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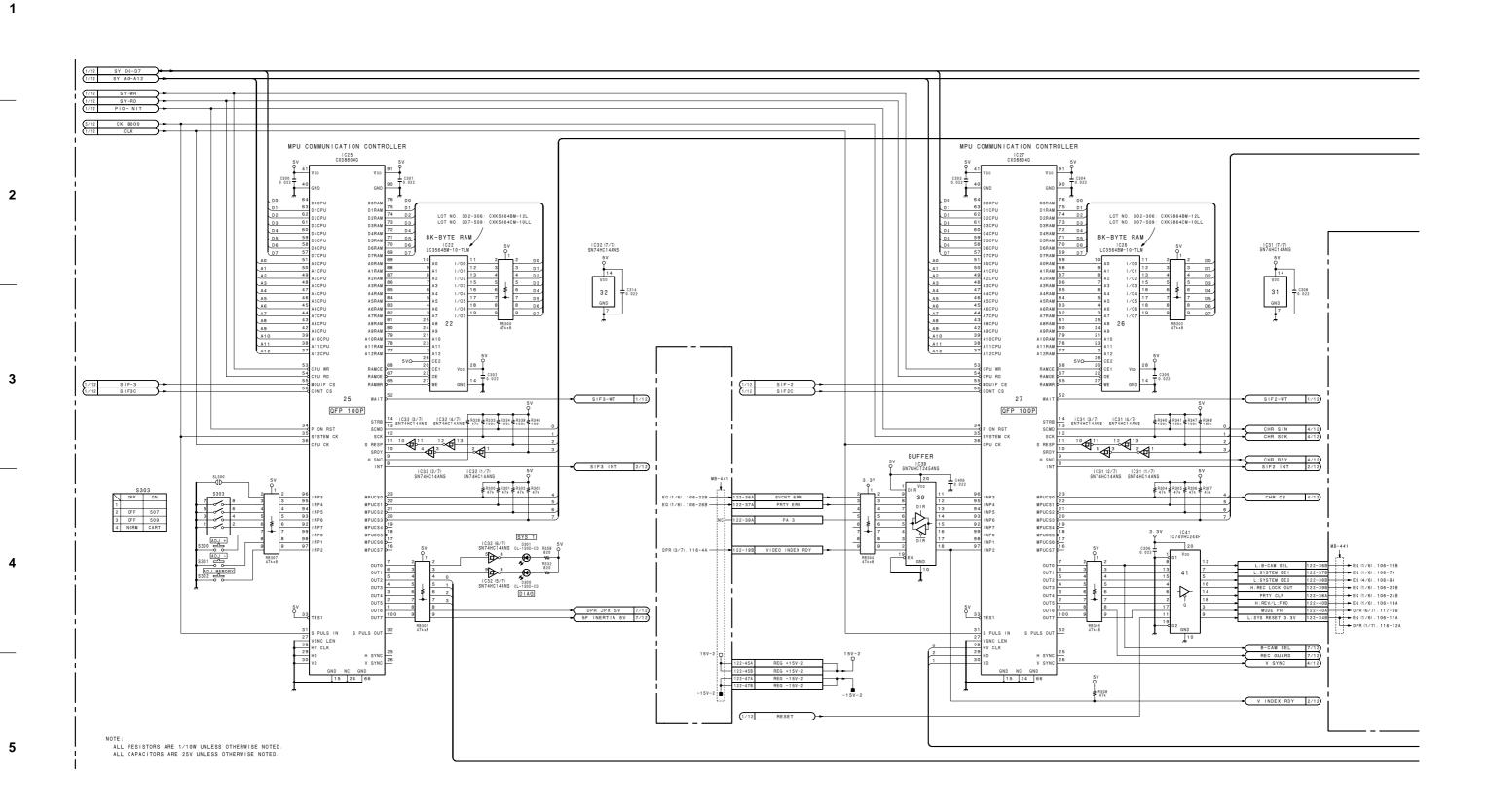
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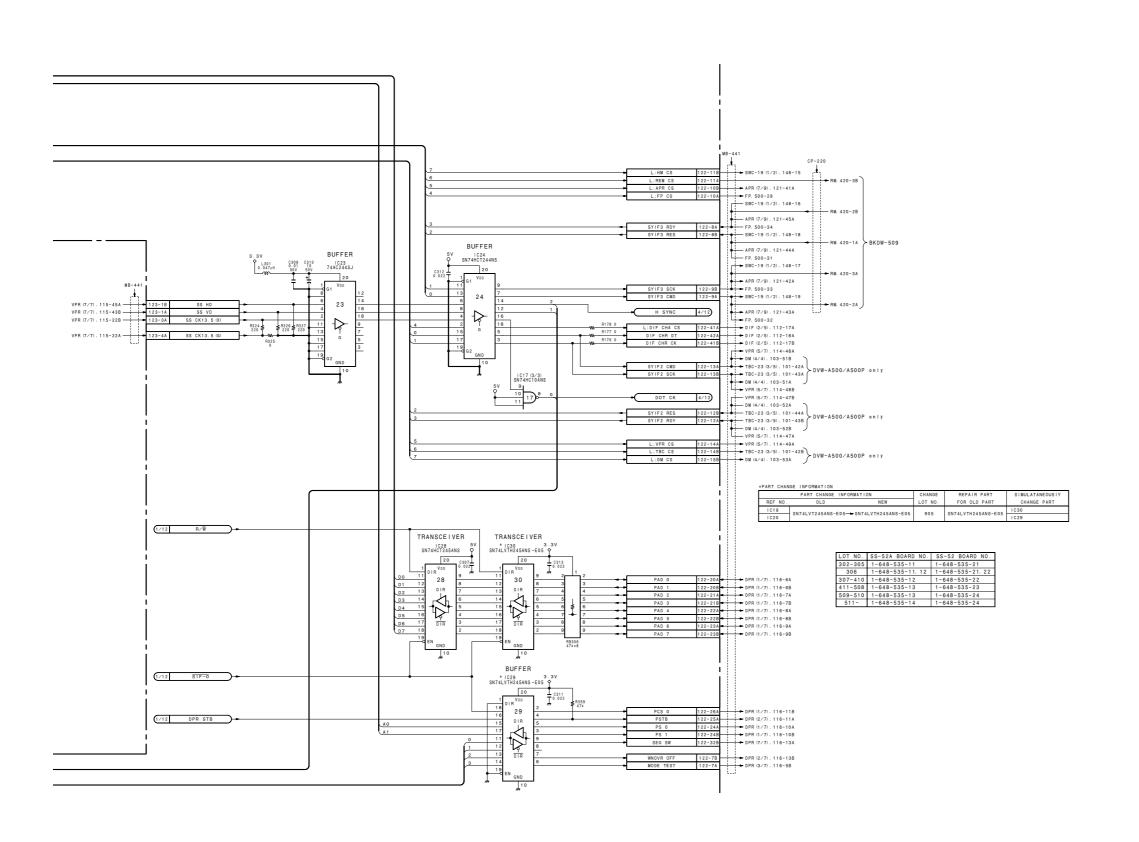
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1-136 1-136 DVW-A500/500 B C D D E F G H



Audio/Video System Control SS-52A/52 BOARD (3/12)

BOARD NO. 1-648-535-11, 12, 13, 14/21, 22, 23, 24 BOARD'S LOT NO. 302-DVW-A500 (J. UC): SS-52A MCB DVW-A500P (EK) : SS-52AP MCB DVW-A500P (UC) : SS-52AP MCB

DVW-A500P (UC) :SS-52AP MCB DVW-500 (J, UC) :SS-52 MCB DVW-500P (EK) :SS-52P MCB DVW-500P (UC) :SS-52P MCB

DVW-SS52-ALL-REC-S/M-05

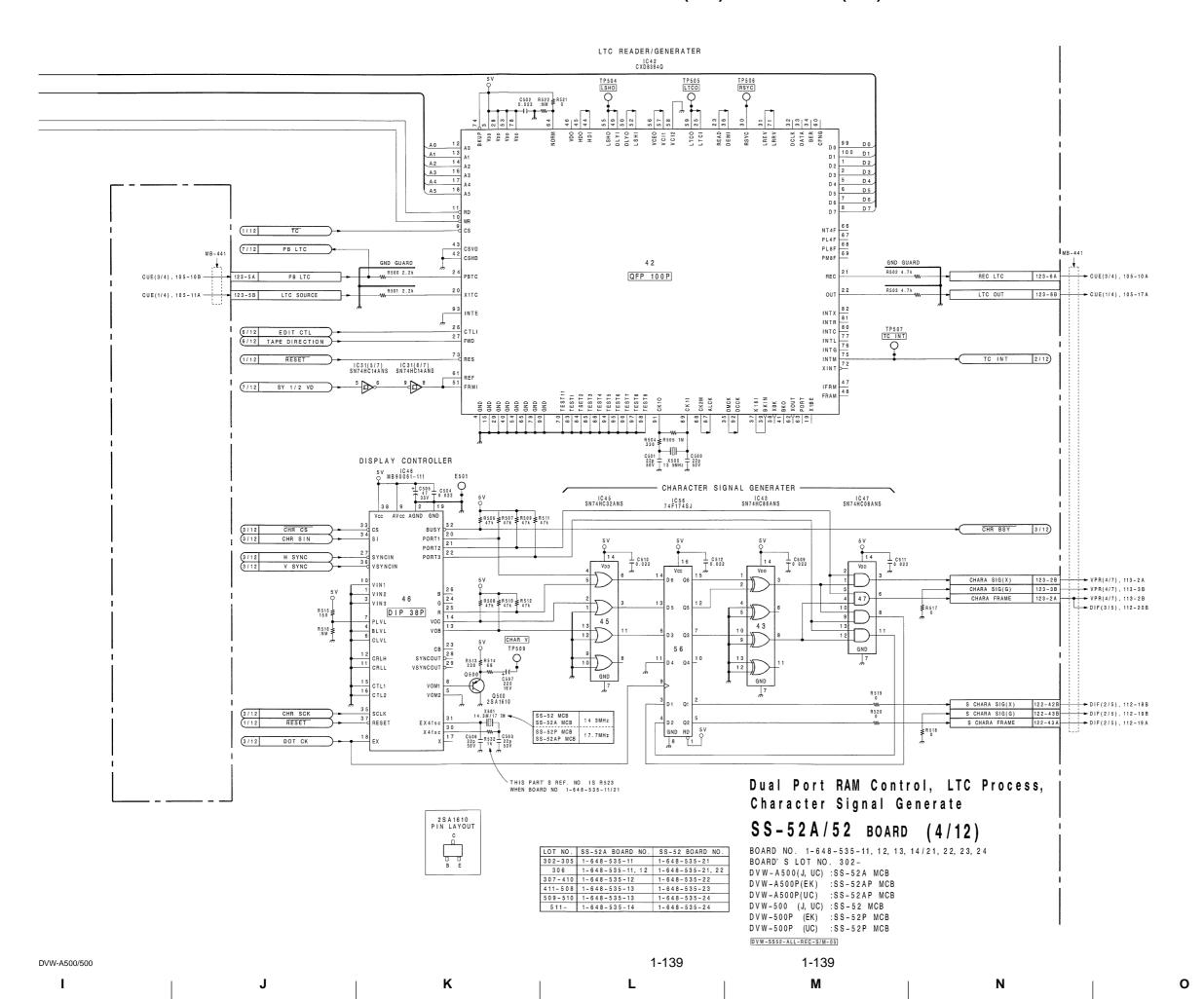
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1/12 SY D0-D7 1/12 SY A0-A10 DUAL PORT RAM CONTROLLER DUAL PORT RAM CONTROLLER 1C34 CXD8176AQ 34 46 72 6/12 SV A1-A9 5/12 SUB A0-A10 X 1 0 0 6/12 SV D0-D7 5/12 SUB D0-D7 D5 76 D5L D6 75 D6L D7 74 D7L 3 4 3 7 QFP 80P QFP 80P SV-BD SUB-RD SV RAM WAIT WAITR 31 SUB RAM WAIT SV RAM CS SUB RAM CS 2K-BYTE RAM 2K-BYTE RAM IC38 IDT6116SA25S0 12 33 53 71 12 33 53 71 IC35 IDT6116SA25S0 WAIT-1 ALL RESISTORS ARE 1/10W UNLESS OTHERWISE NOTED. ALL CAPACITORS ARE 25V UNLESS OTHERWISE NOTED.

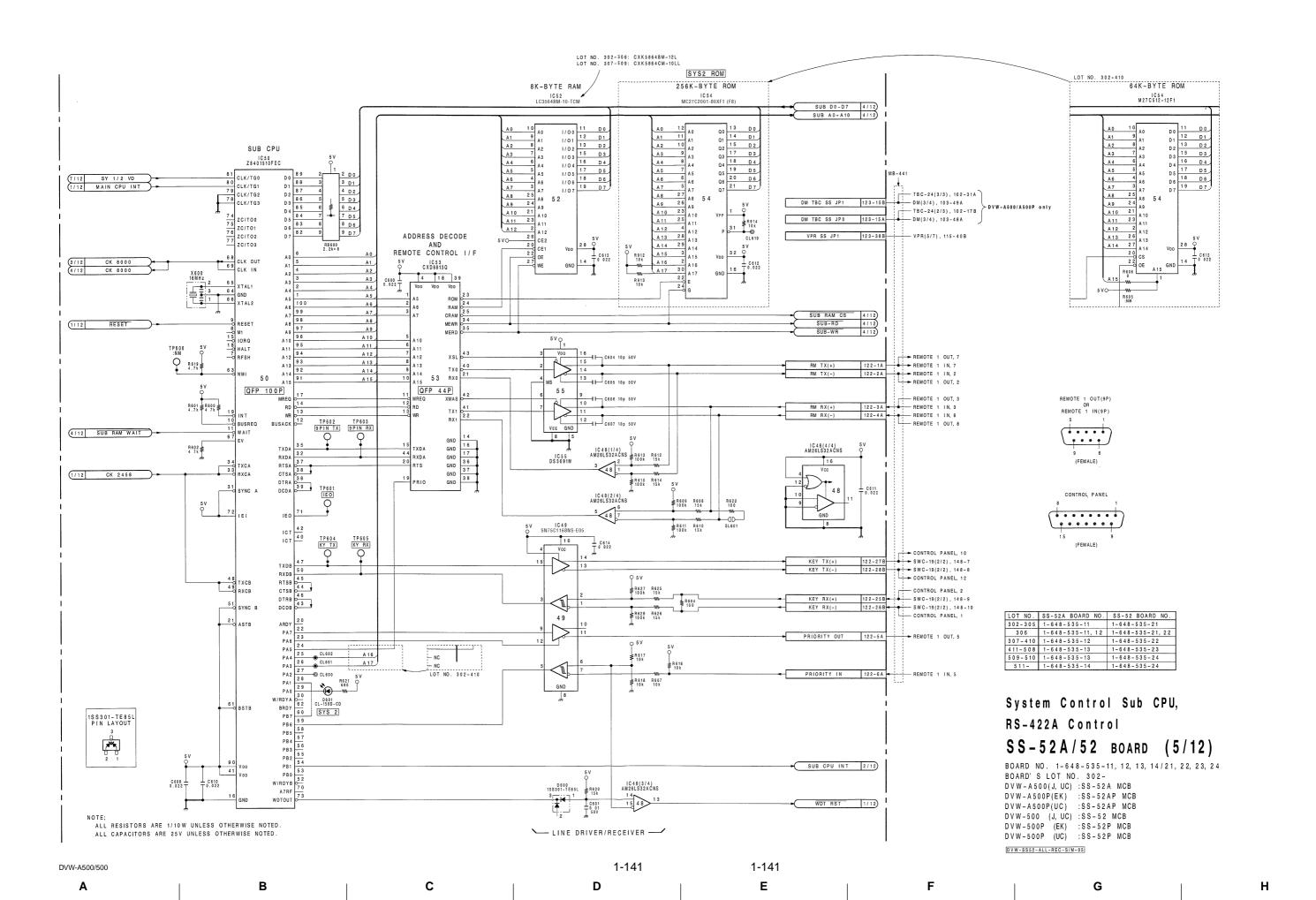


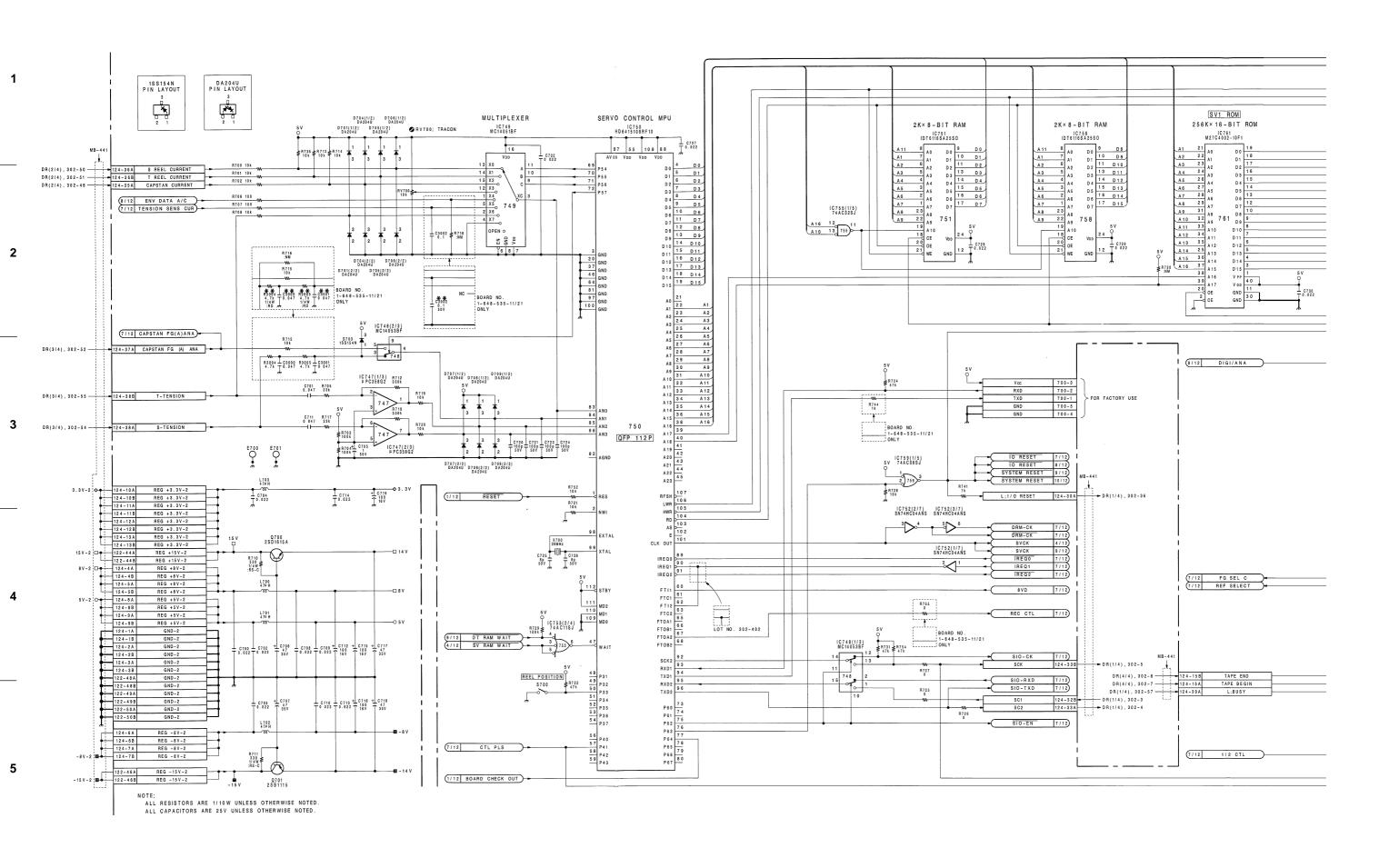
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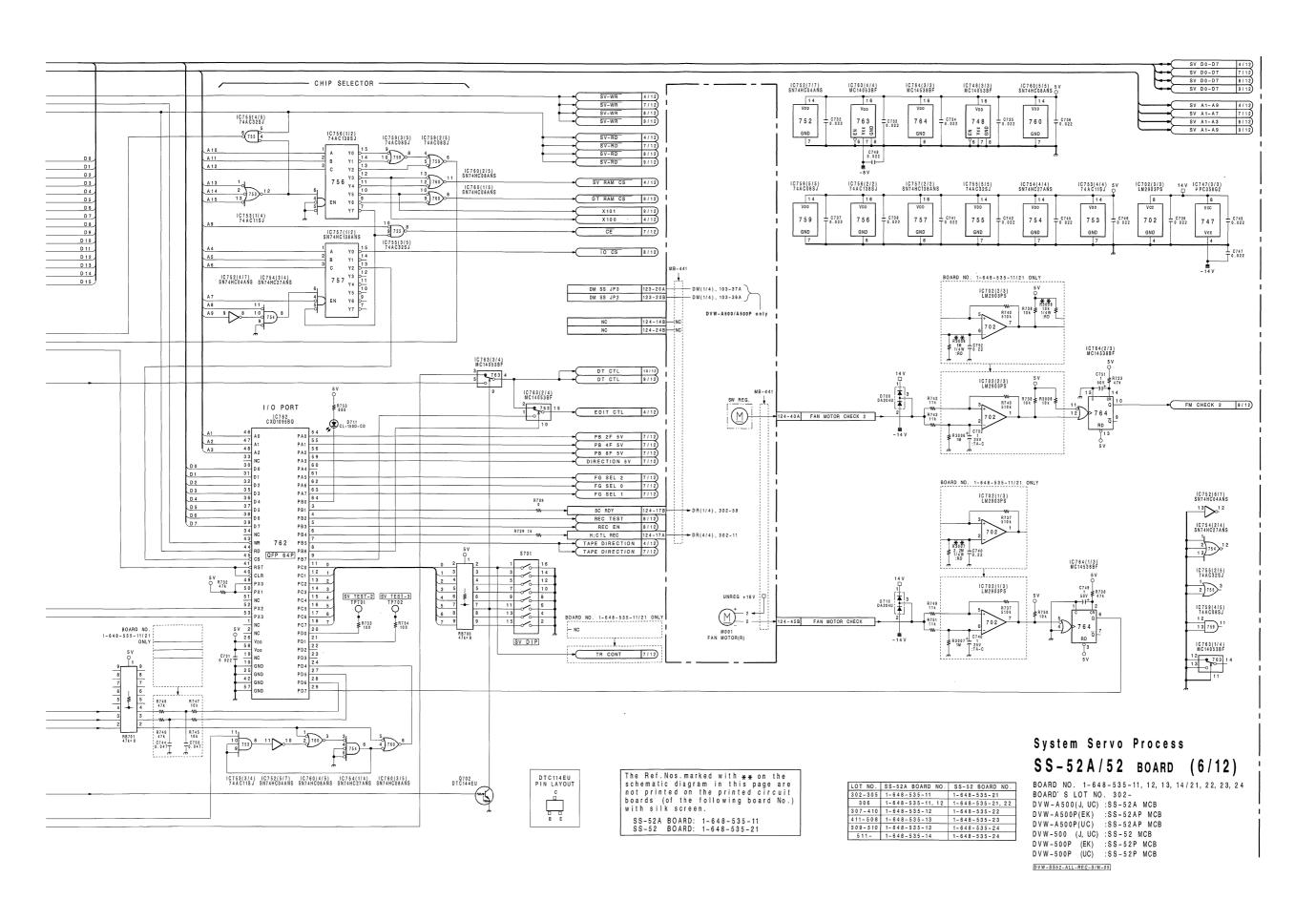
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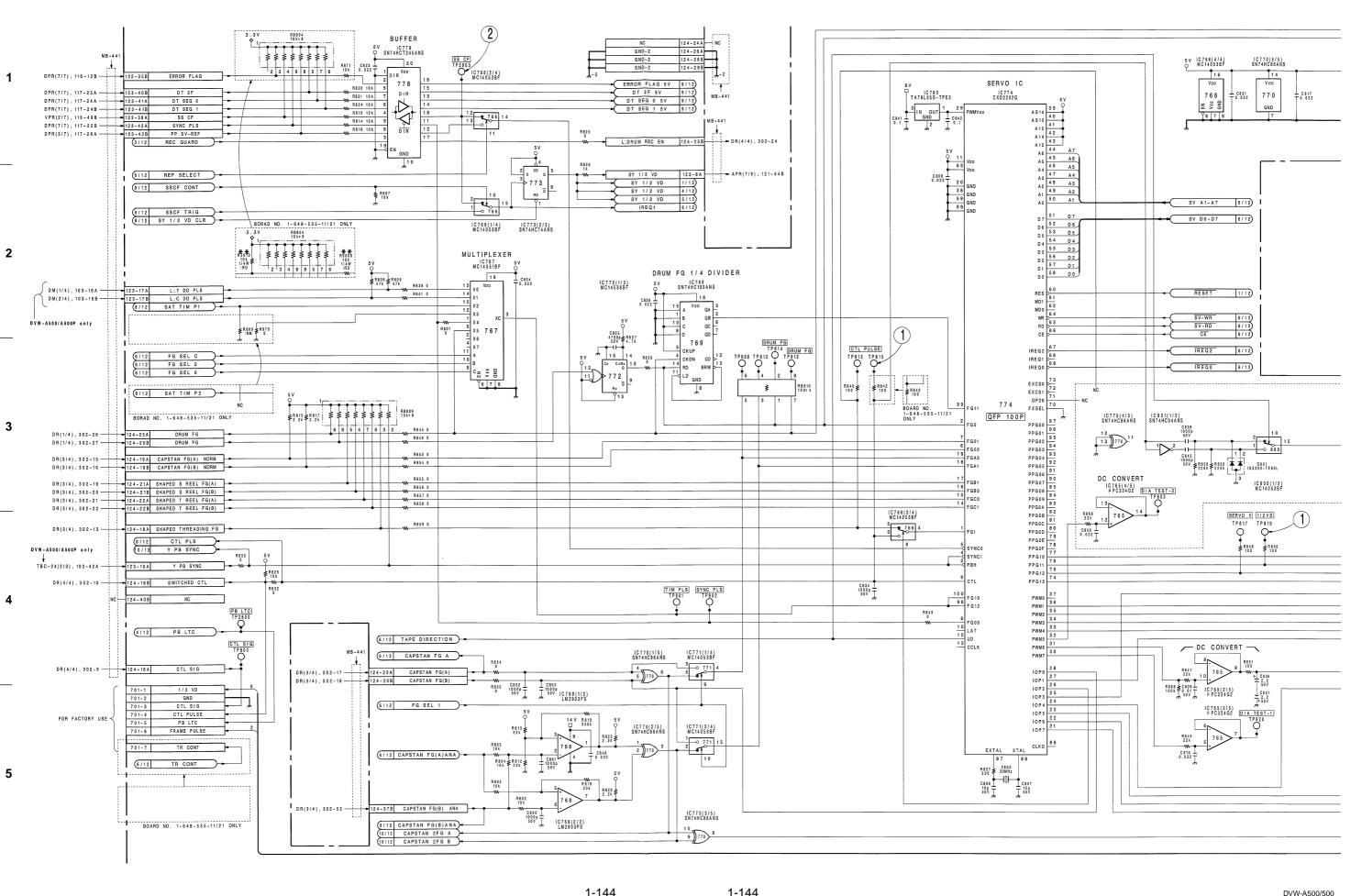
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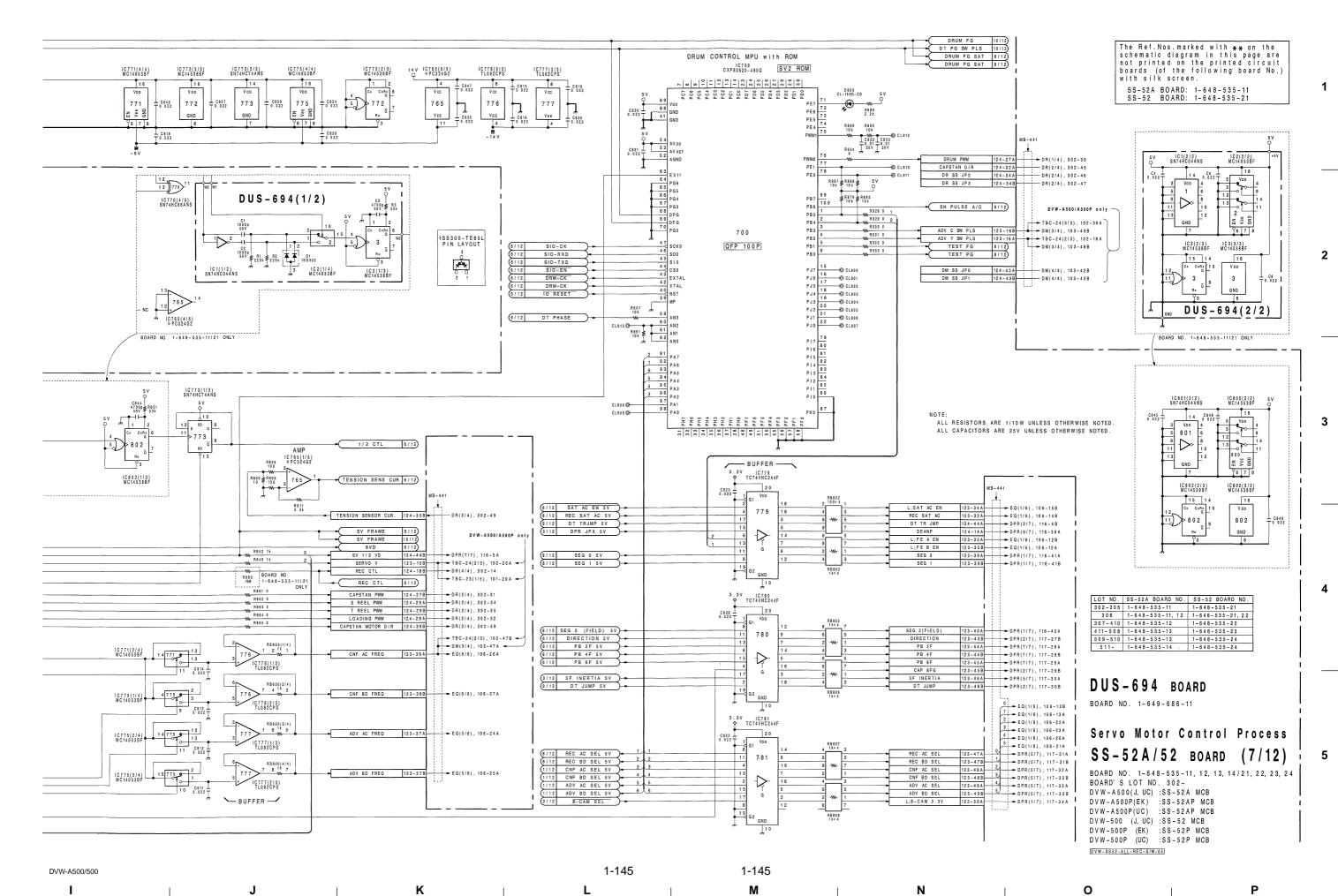
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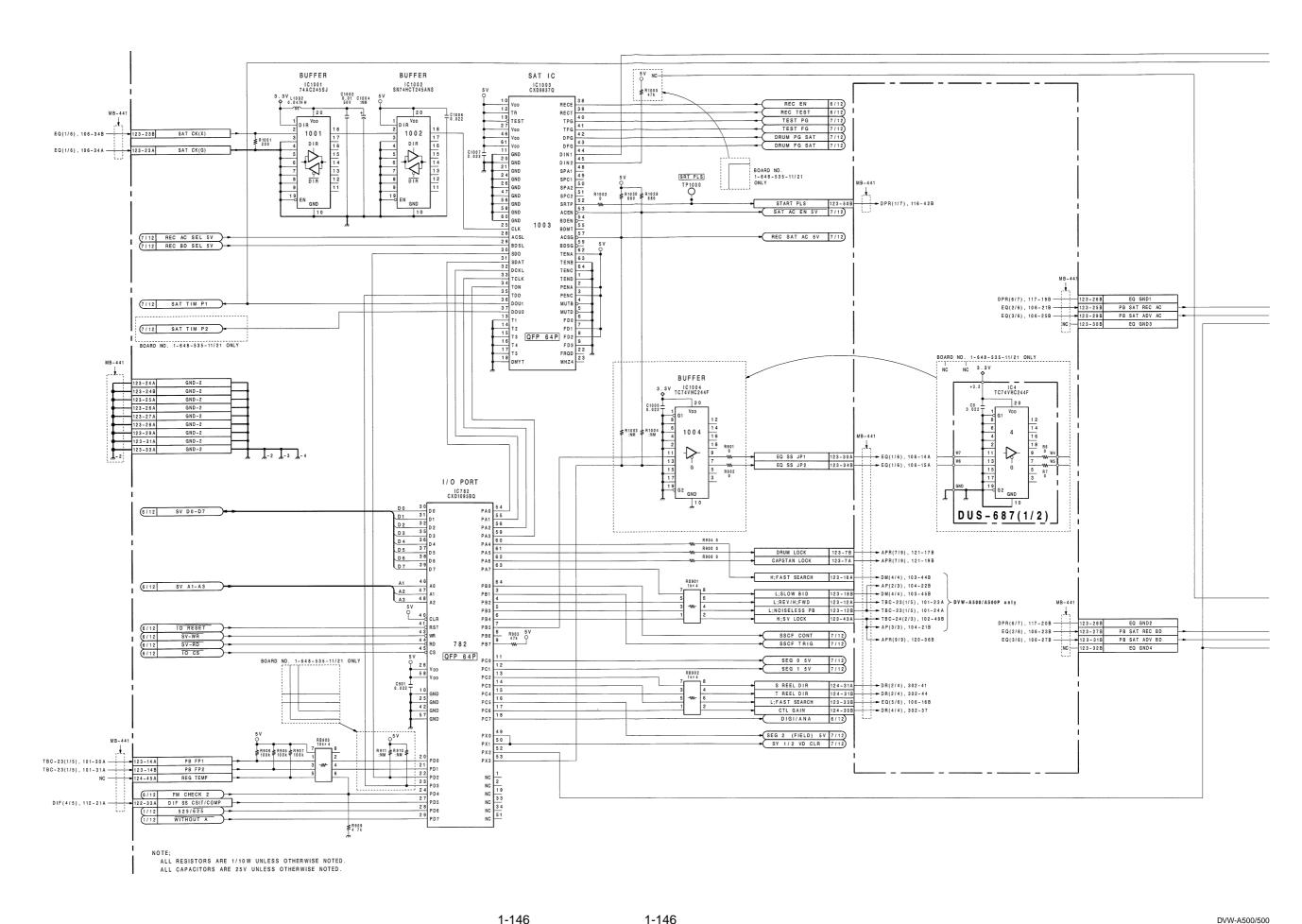
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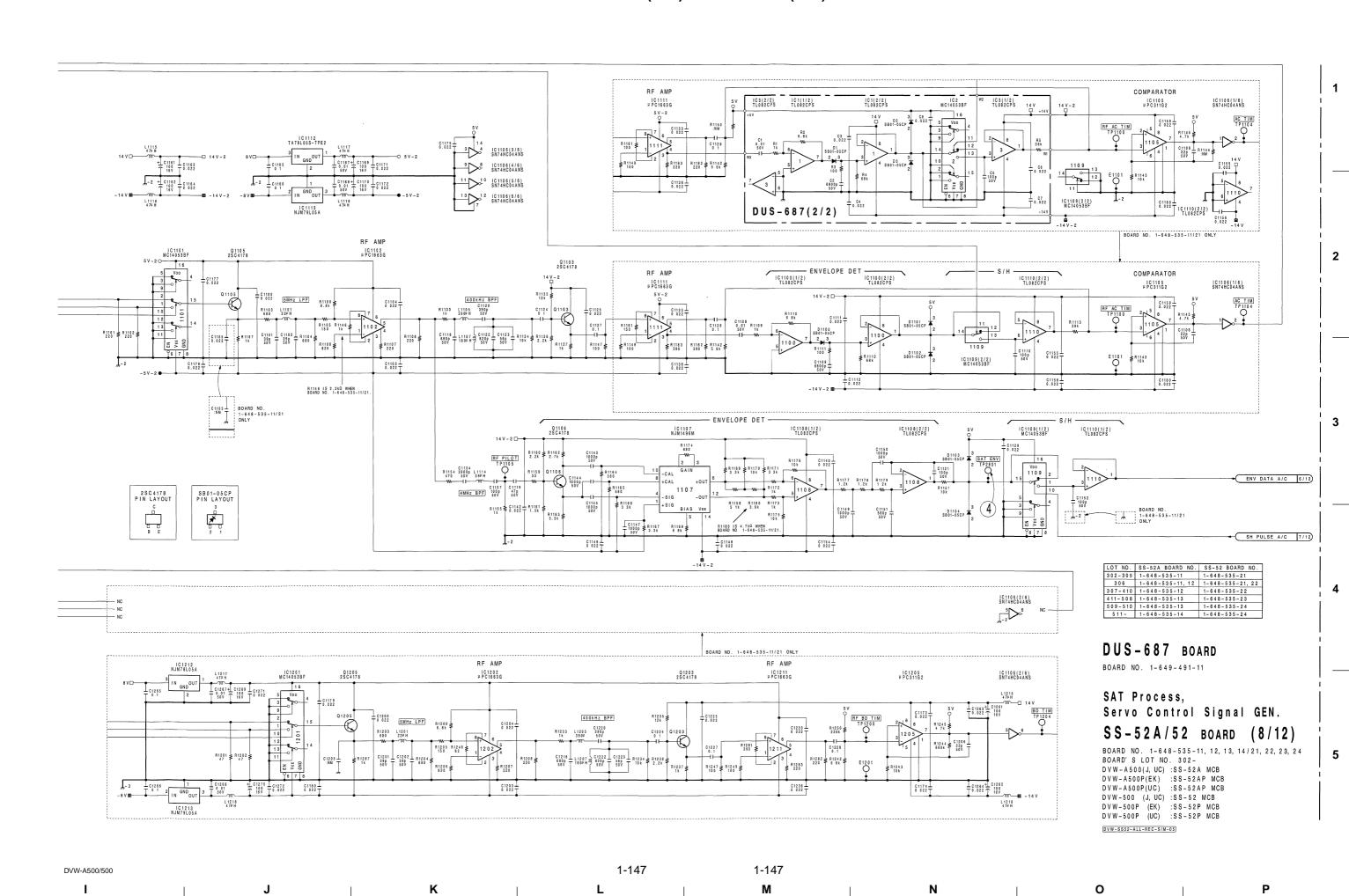


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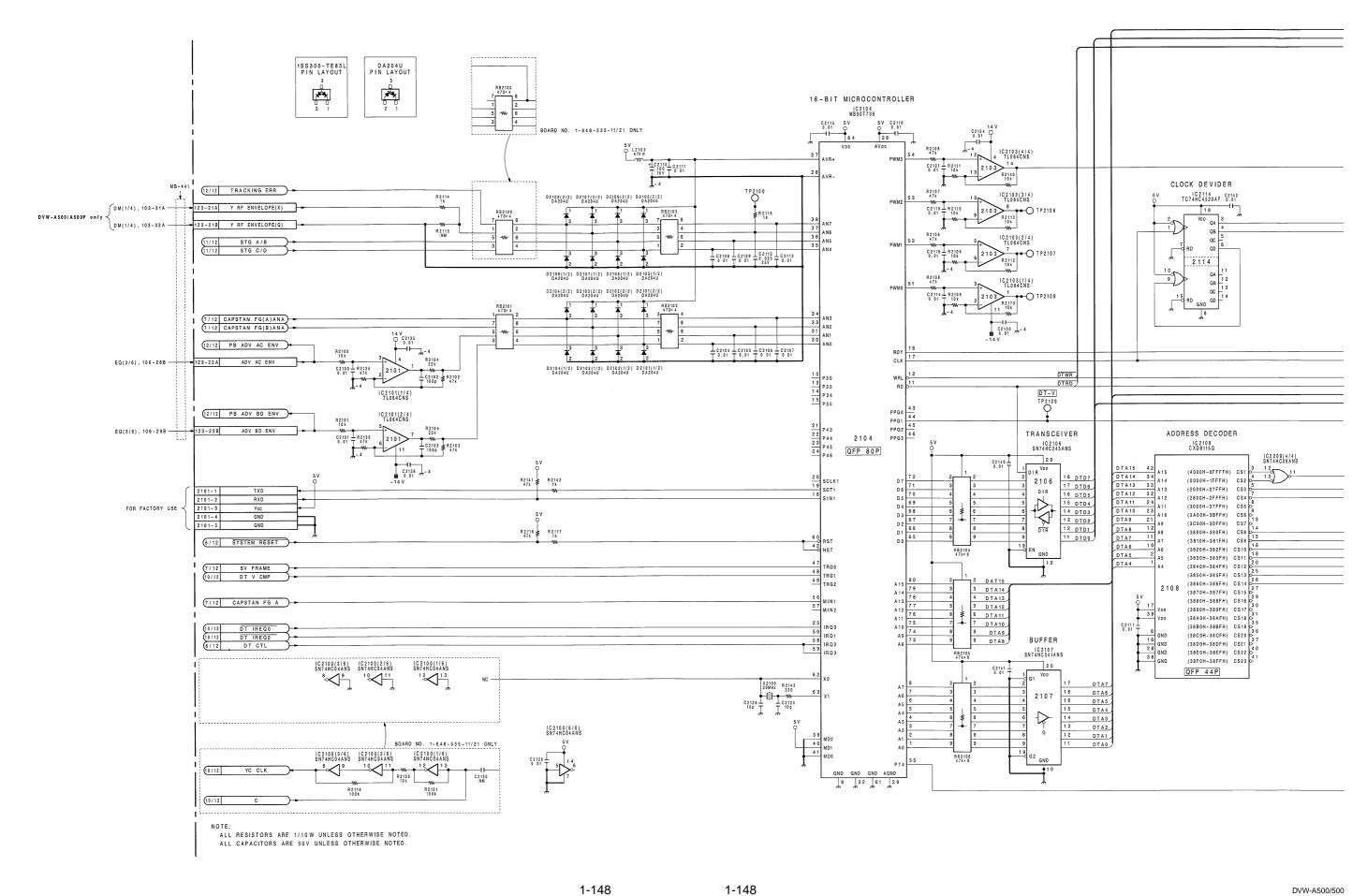




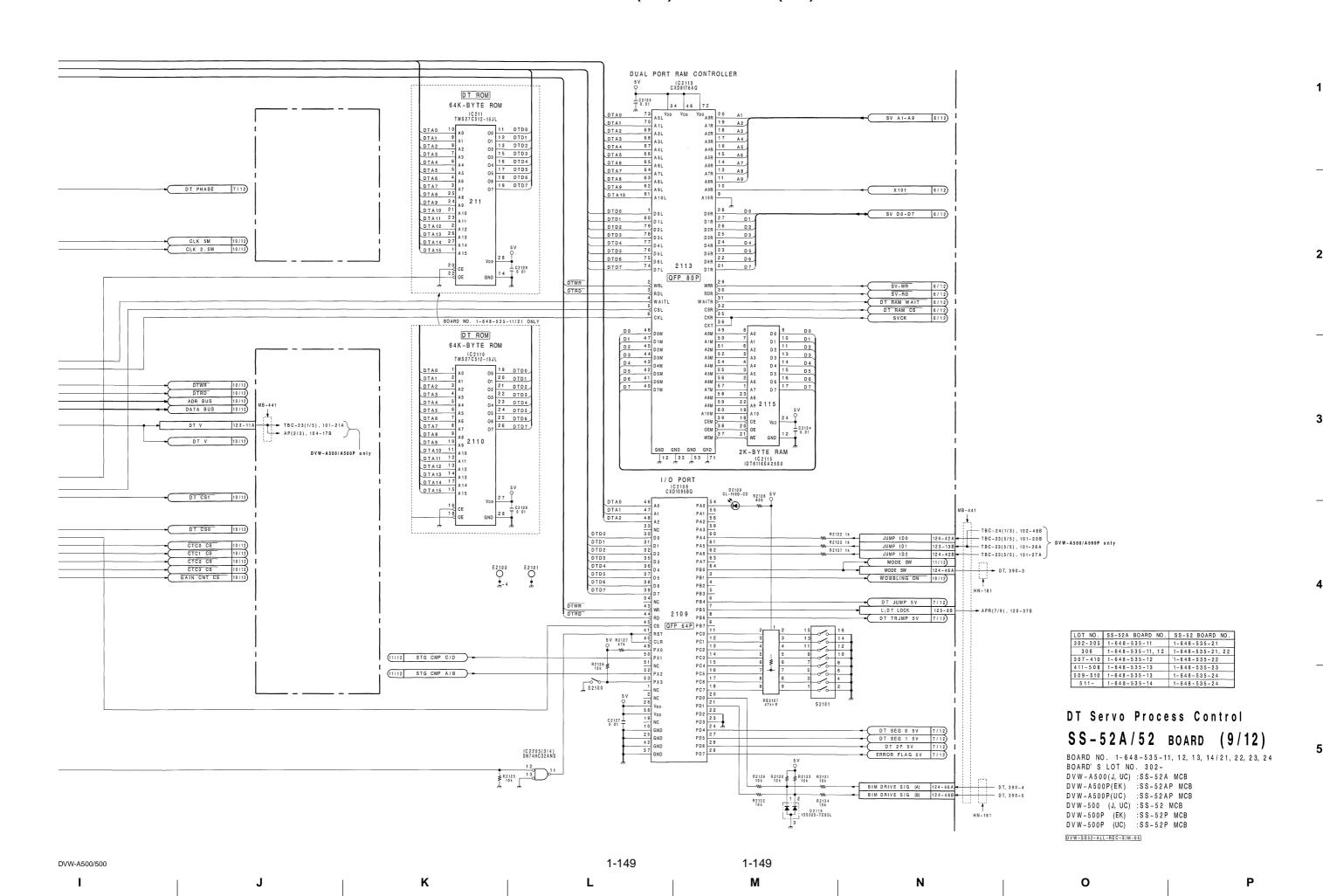
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A B C D E F G H



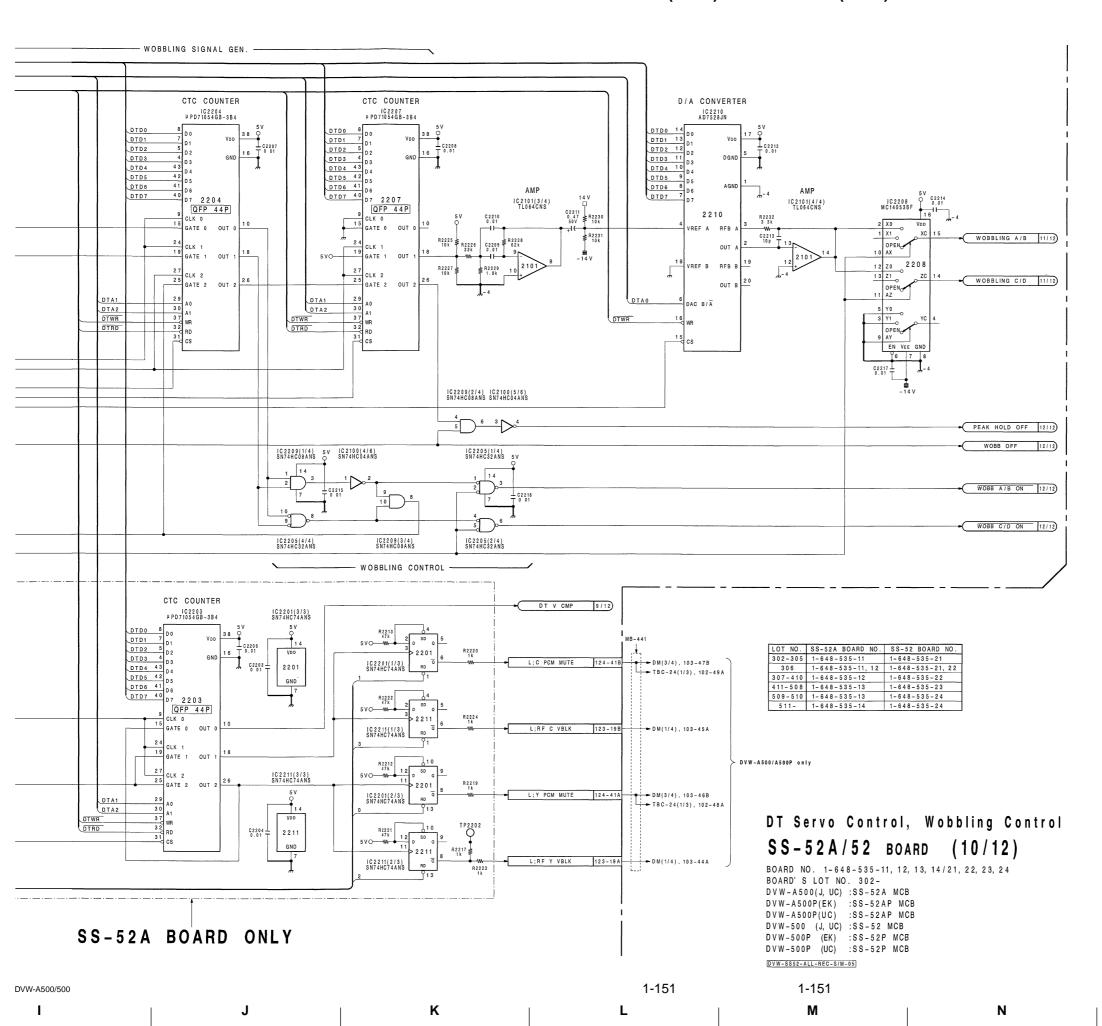
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9/12 DATA BUS ADR BUS CTC COUNTER IC 2 2 0 2 P P D 7 10 5 4 G B - 3 B 4 DTD2 DTD3 SERVO IC DTD4 IC2200 CXD2202Q DTD5 DTD6 D7 51 DTD7 D6 52 DTD6 D5 53 DTD5 D4 55 DTD3 D3 56 DTD2 D1 58 DTD0 9 CLK 0 7/12 SV FRAME GATE 0 OUT 19 GATE 1 OUT 25 GATE 2 OUT 2 26 10P7 10P6 22 10P5 DTA2 DTWR DTRD TBC-23(1/5), 101-22A 123-11B DTRD IOP3 10P2 TRACK SIGN C/D 11/12 DVW-A500/A500P only CLK 2.5M CLK 5M 10 P 0 ERASE 98 99 FG12 100 FG10 7/12 DRUM FG CTC1 CS CTC2 CS GAIN 2 A/B 9/12 GAIN CNT CS PWM5 GAIN 1 C/D 7/12 DT PG SW PLS PWM3 TRACKING C/D TRACKING A/B 11/12 BIAS C/D 11/12 BIAS A/B 11/12 IREQ1 68 FR2201 ≠R2205 7/12 CAPSTAN 2FG B 7/12 CAPSTAN 2FG A IREQ2 19 FGA0 Y PB SYNC DT CTL 9/12 WOBBLING ON Y/C DELAY DETECTOR 6/12 SYSTEM RESET DTD0 12 DTD1 13 DTD2 14 DTD2 14 DTD3 16 DTD4 18 DTD5 19 DTD6 20 DTD6 20 DTD7 21 BD7 EXCS0 072 9/12 R2400 ₹ R2402 R2404 100k ₹ 100k 1k TBC-23(1/5), 101-12A YC CLK 9/12 TBC-24(3/3), 102-36B 123-9A 123-9B TBC-23(1/5), 101-36A OP26 71 R2405 BOARD NO. 1-648-535-11/21 ONLY DT CS0 9/12 DTRD TEST GND GND GND GND 2 4 EN 2 5 LAT1 2 6 LAT2 2 7 REST CLKO 86 LAT SWP1 DT V ALL RESISTORS ARE 1/10 W UNLESS OTHERWISE NOTED.
ALL CAPACITORS ARE 50V UNLESS OTHERWISE NOTED.

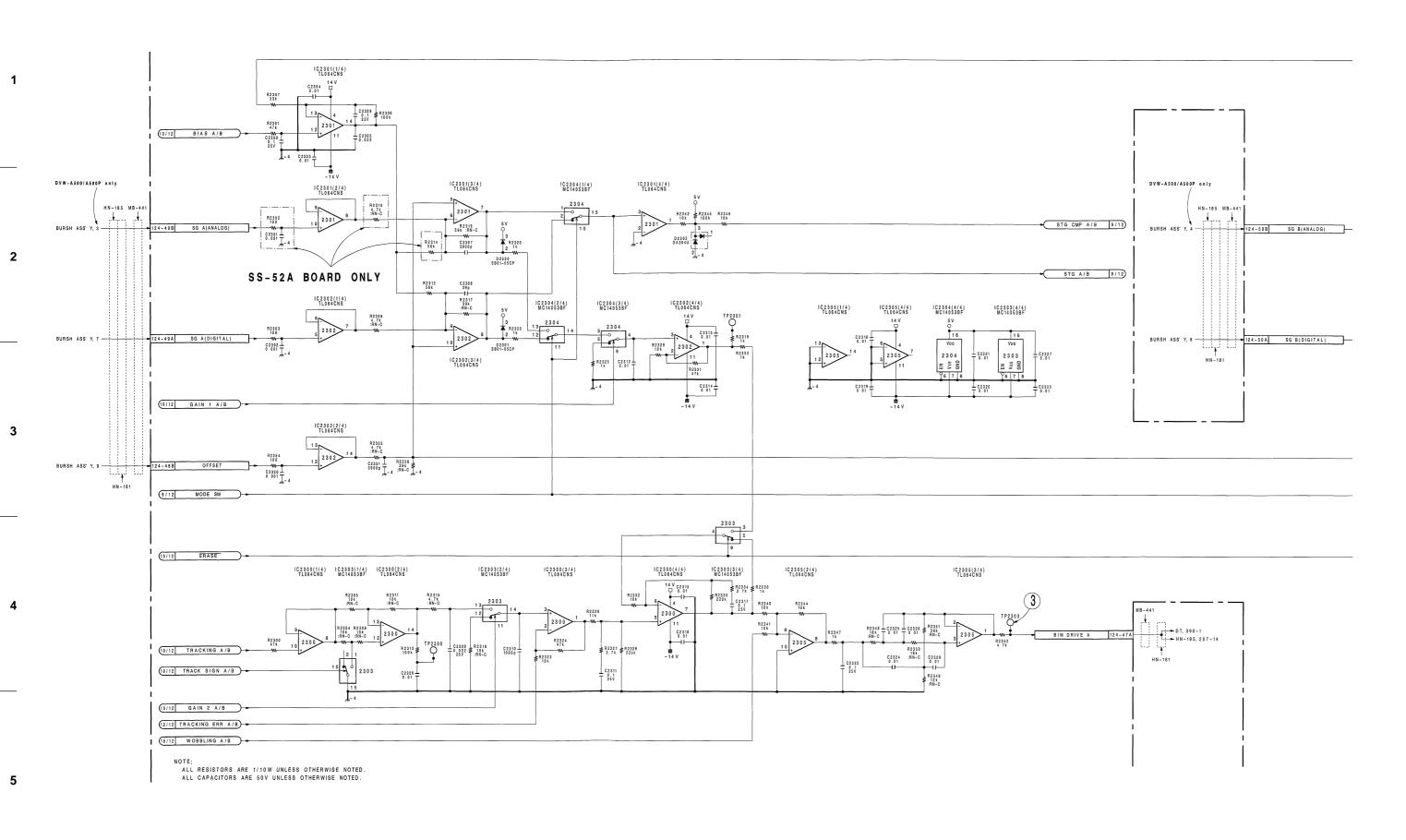
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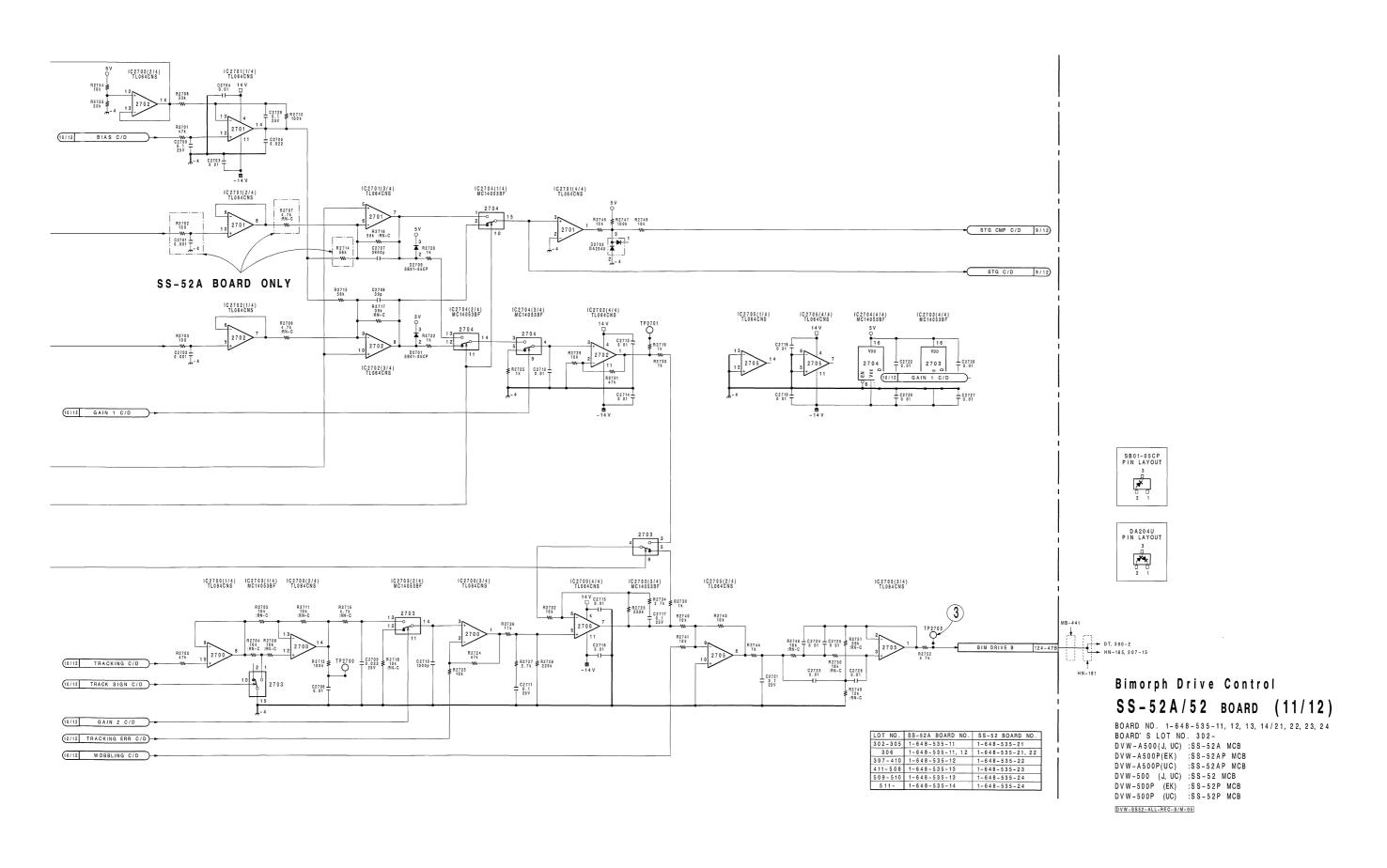
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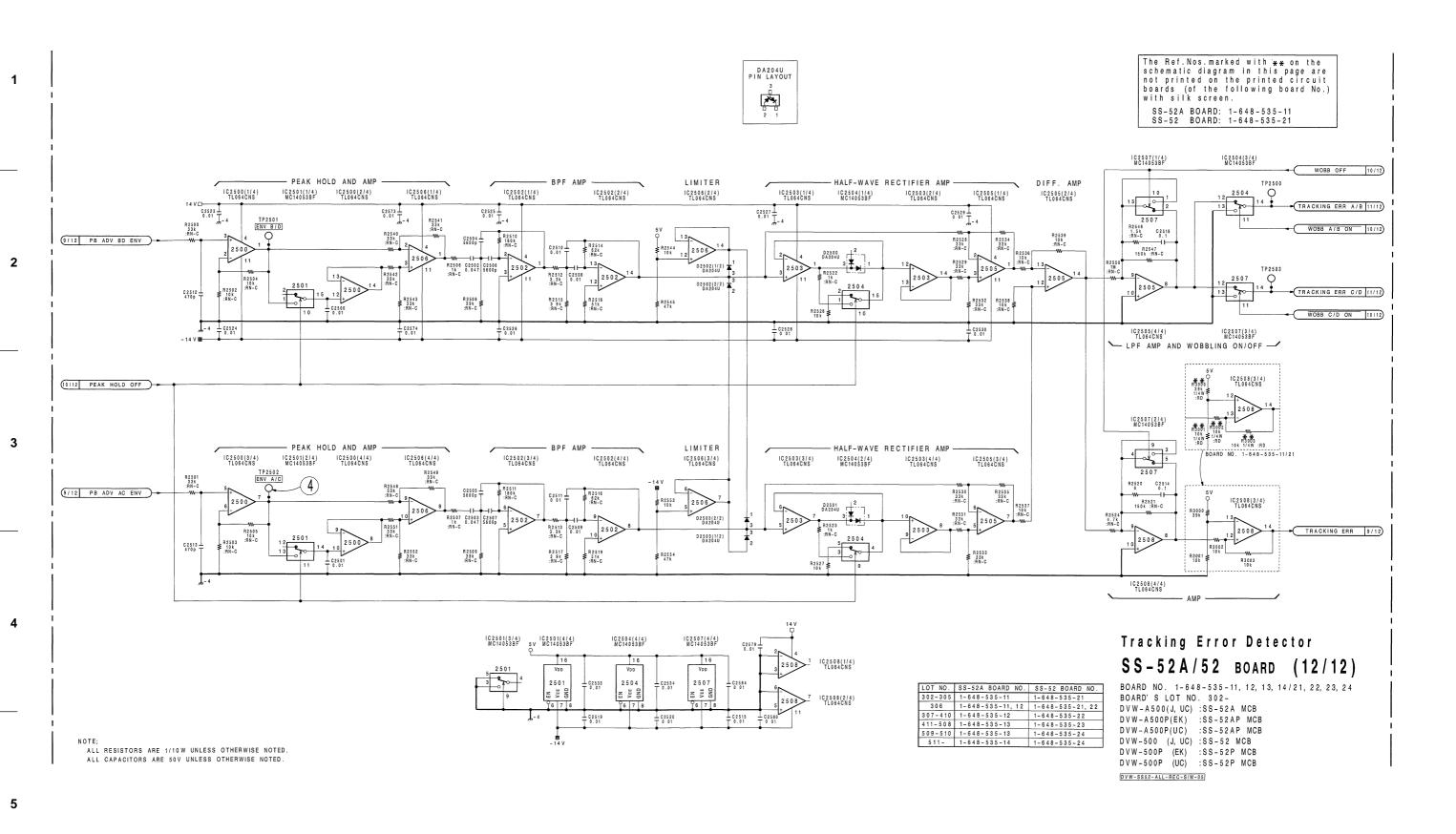


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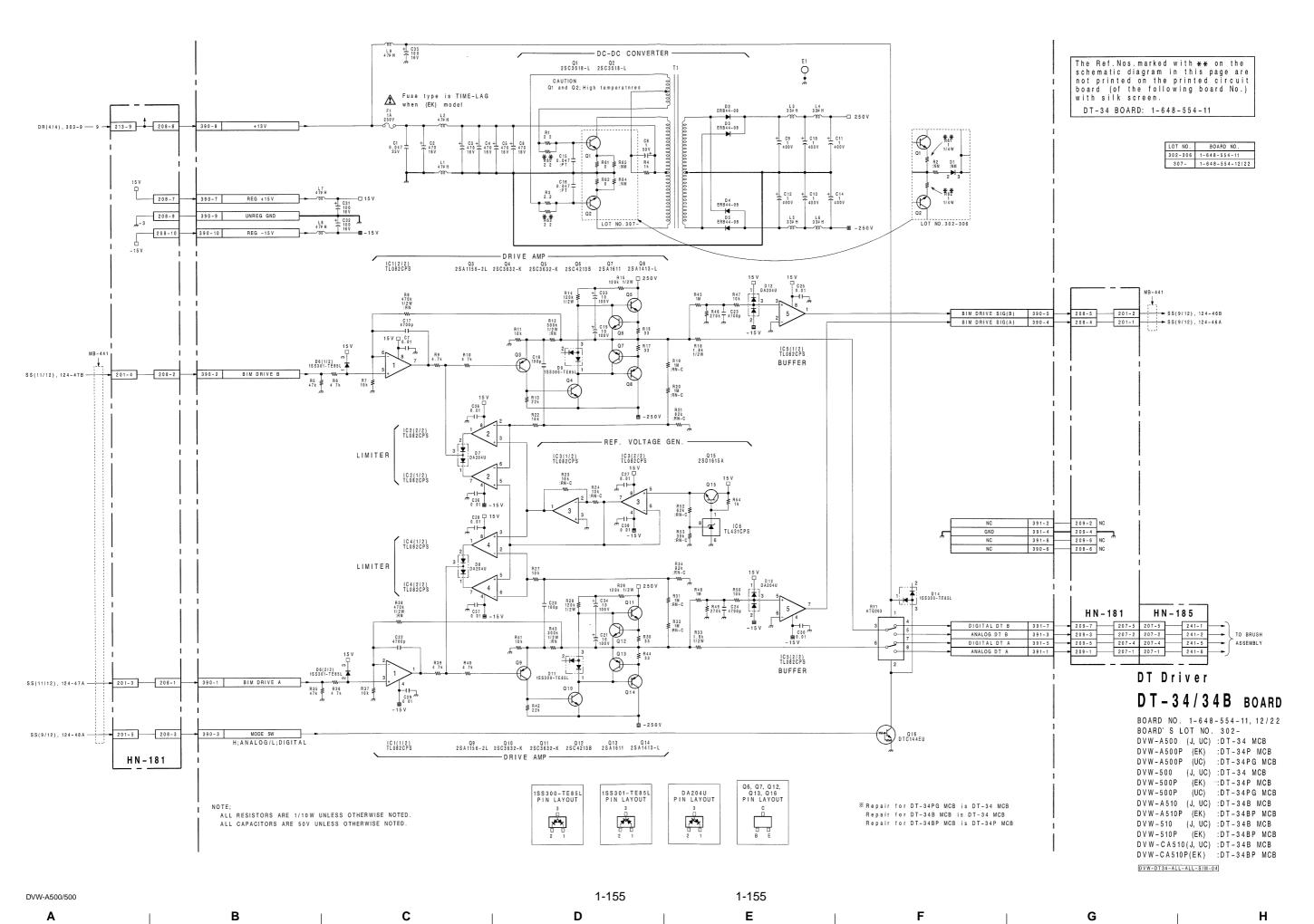


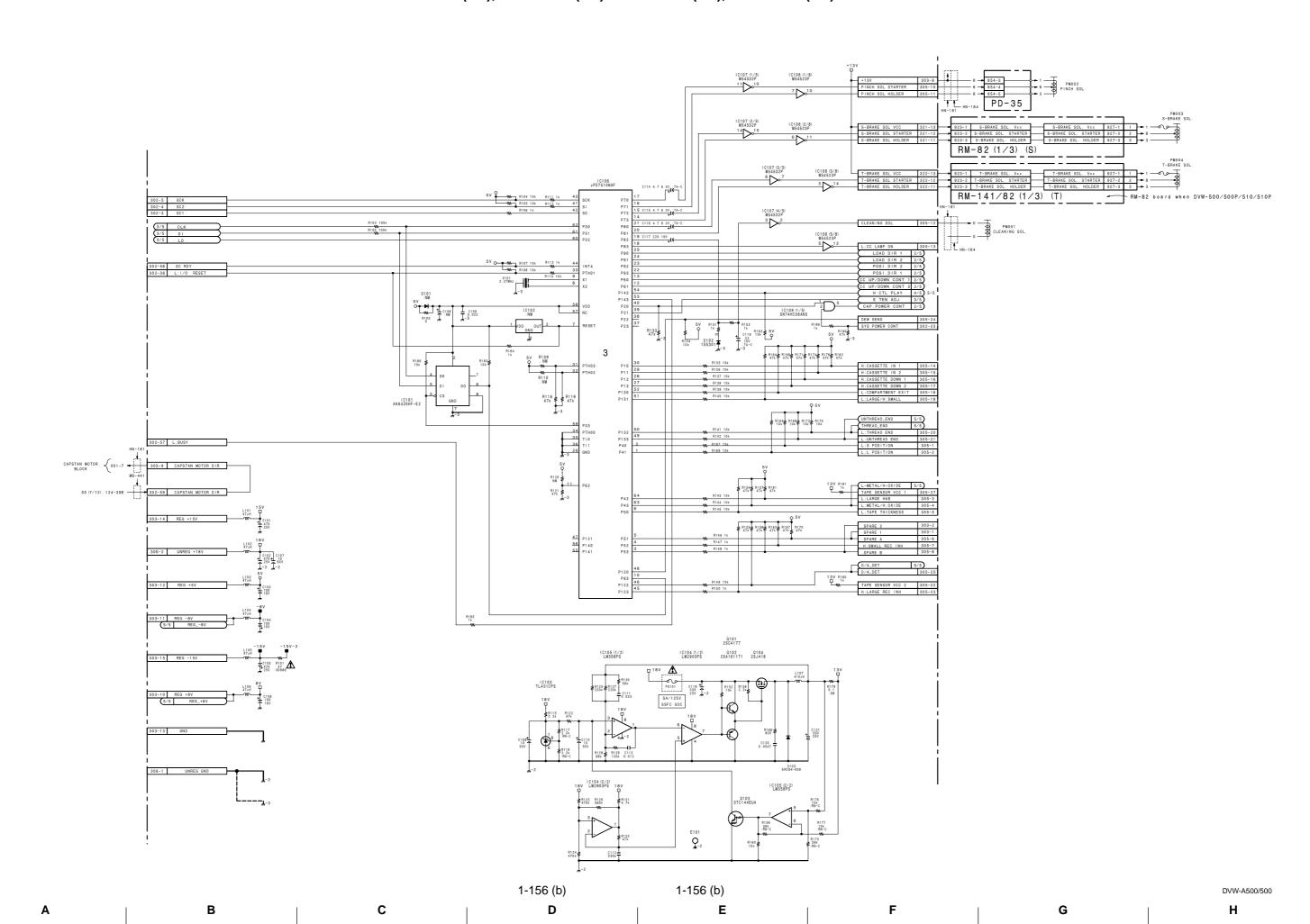
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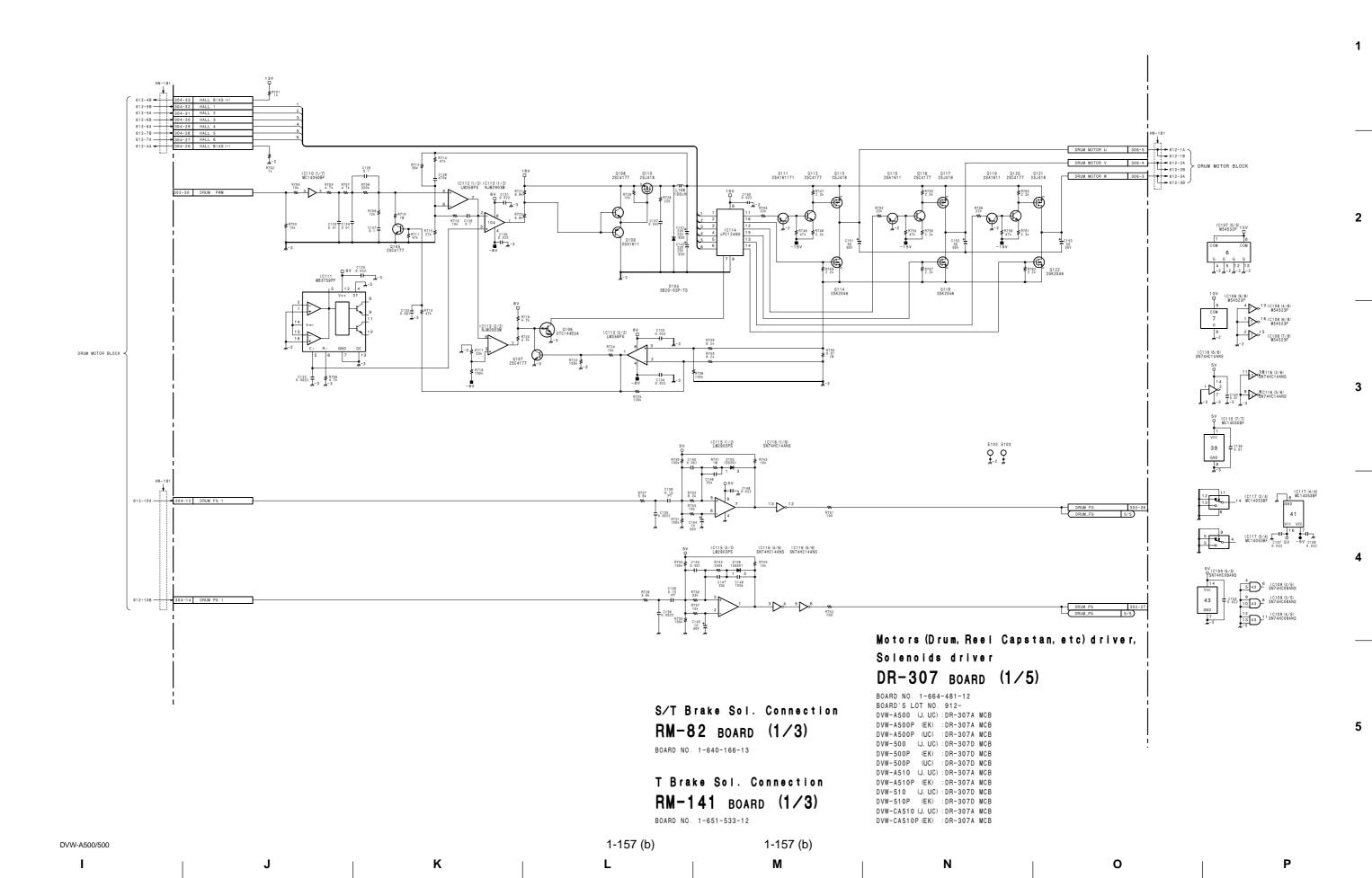
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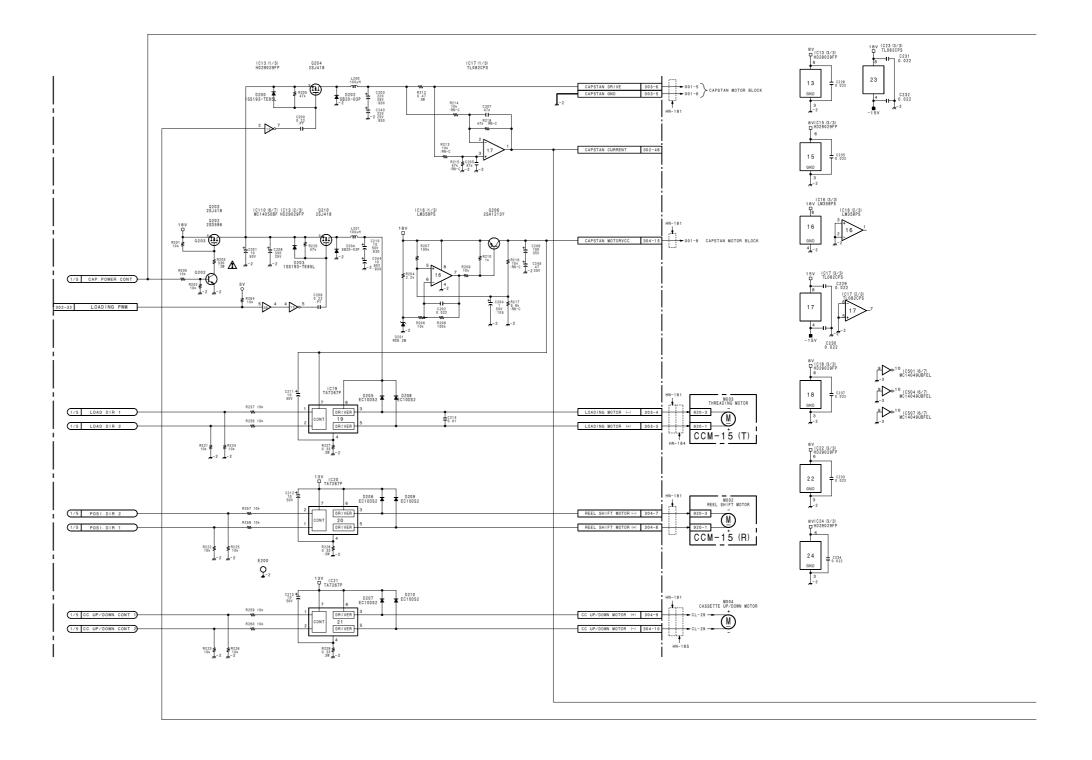


1-154 1-154 1-154 DVW-A500/500
A | B | C | D | E | F | G | H

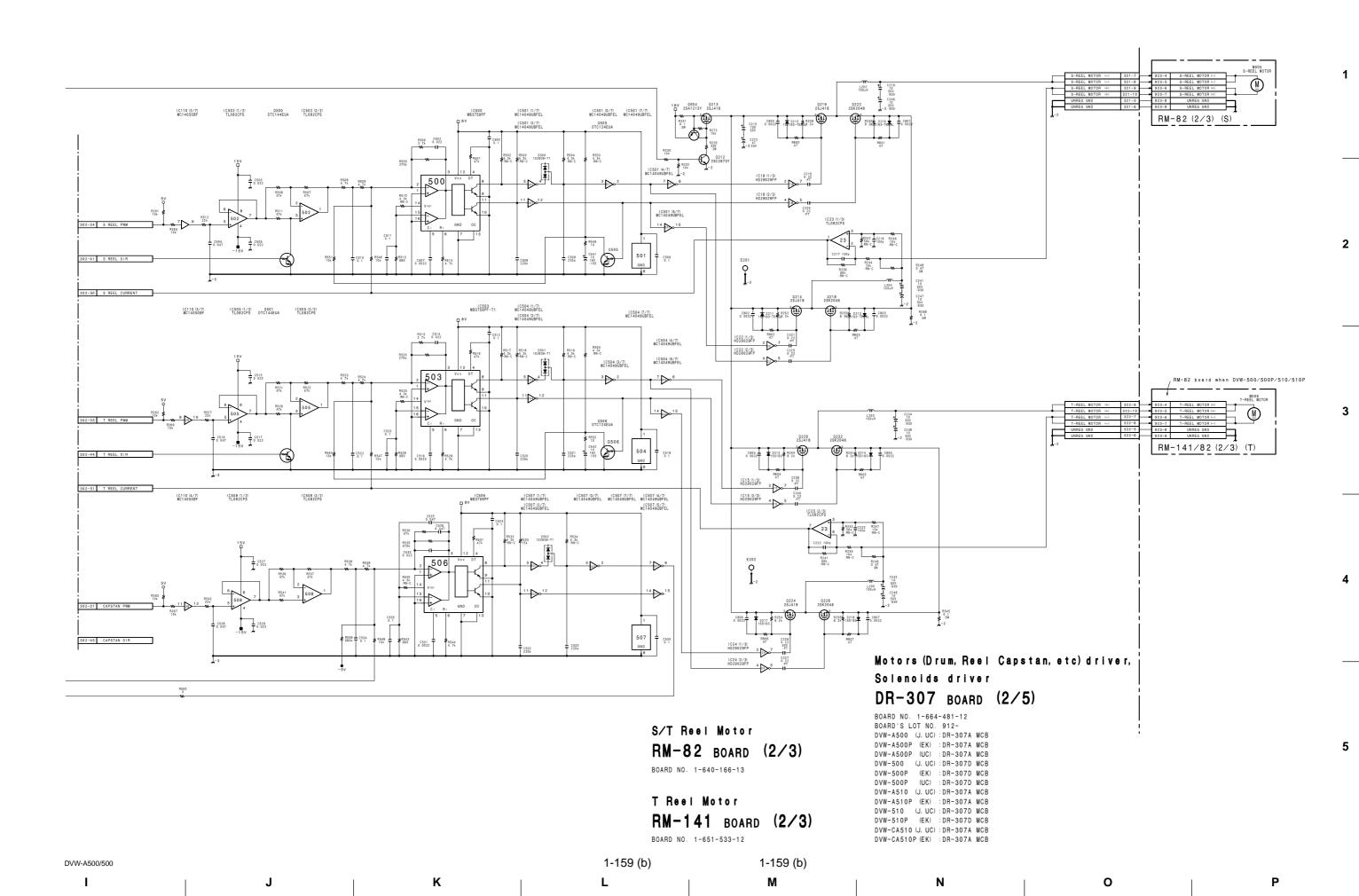


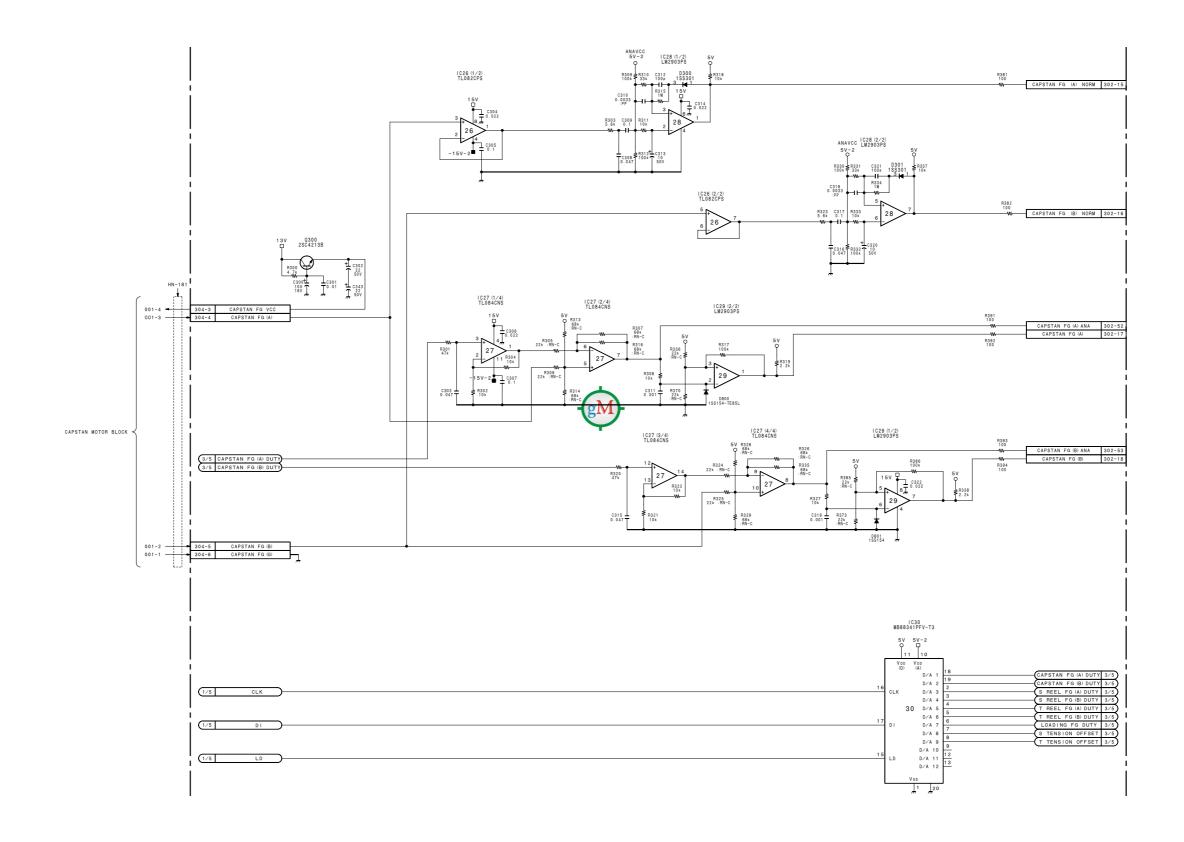




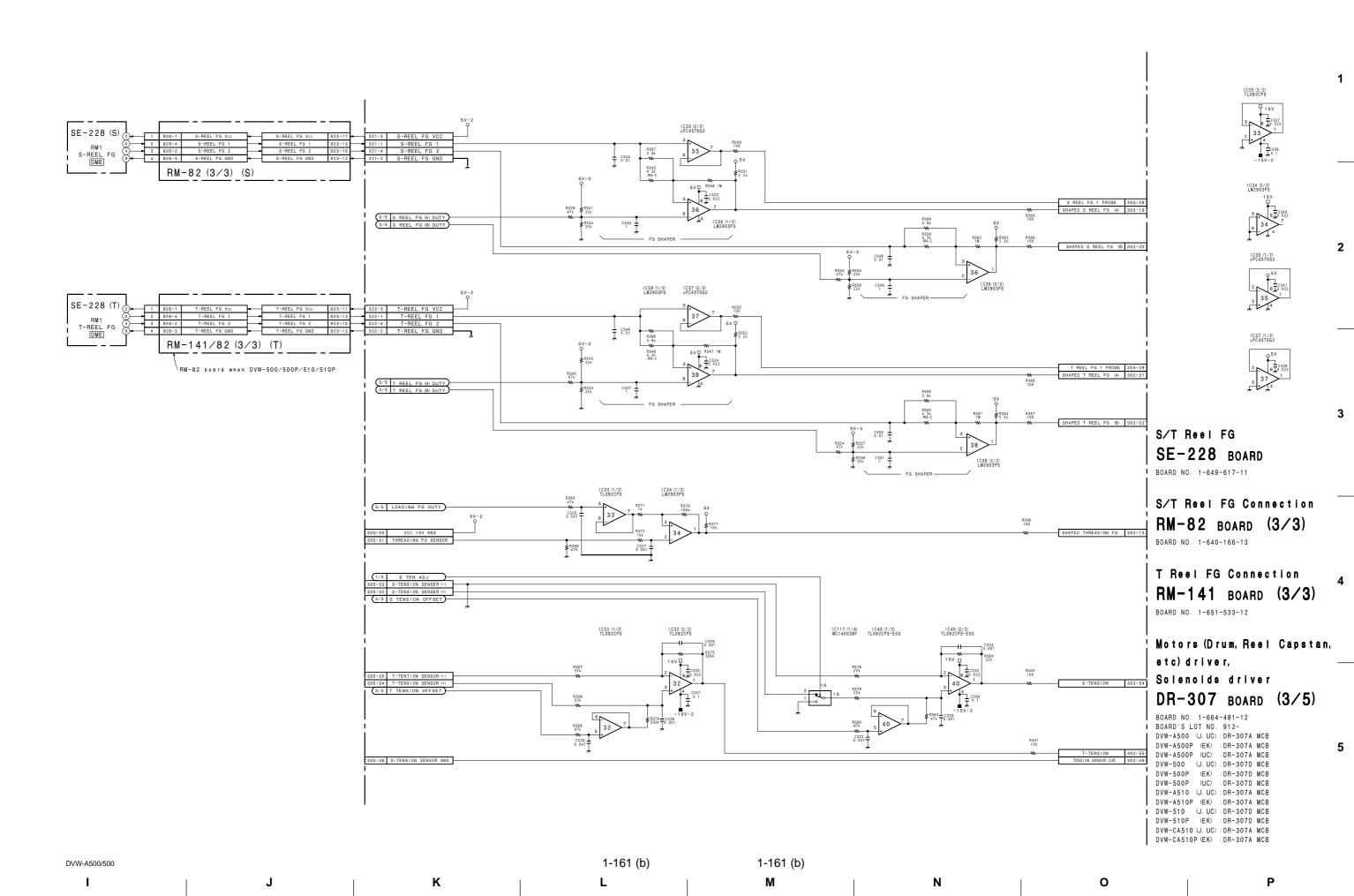


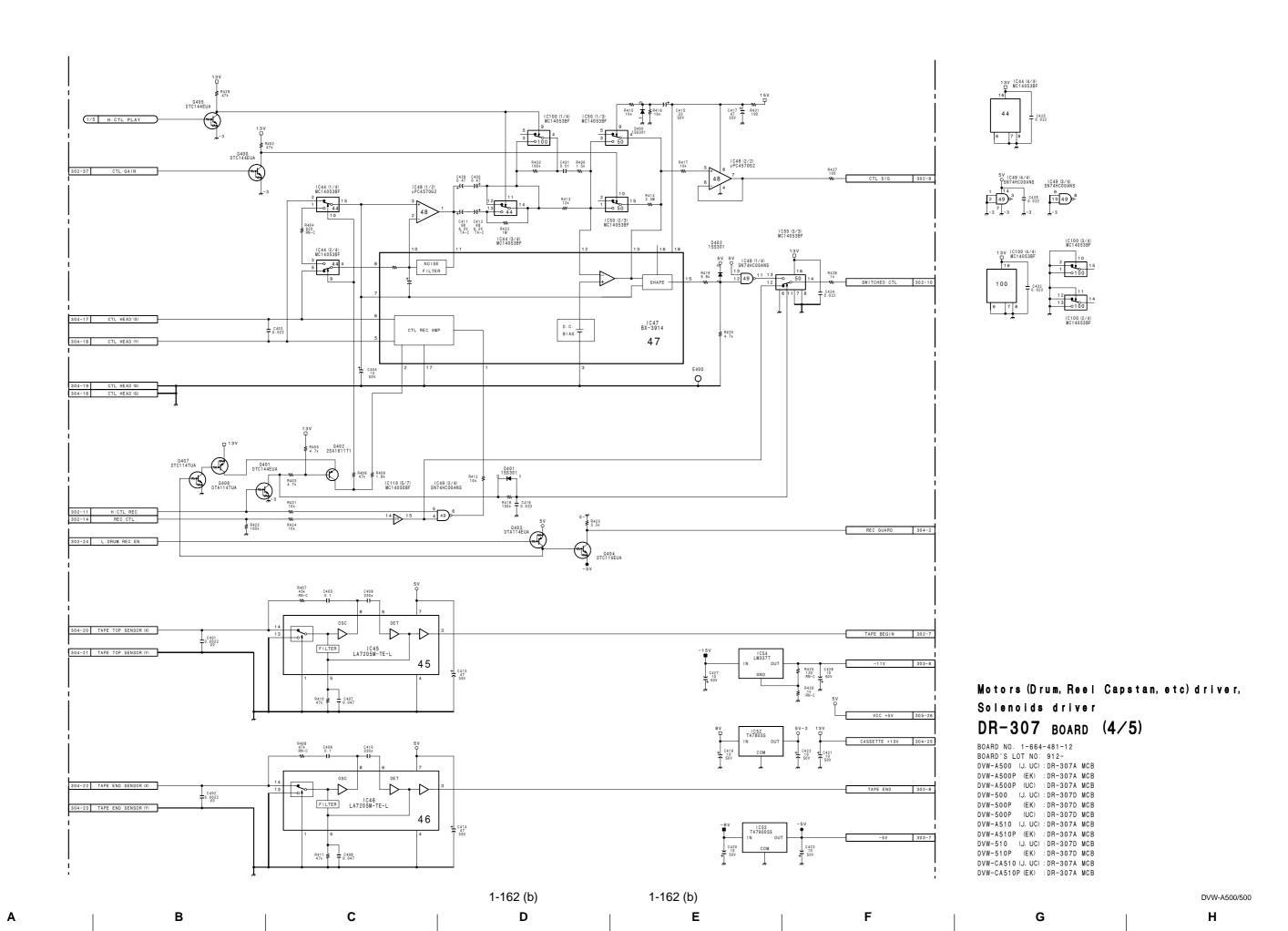
1-158 (b) 1-158 (b) DVW-A500/500 A B C D E F G H

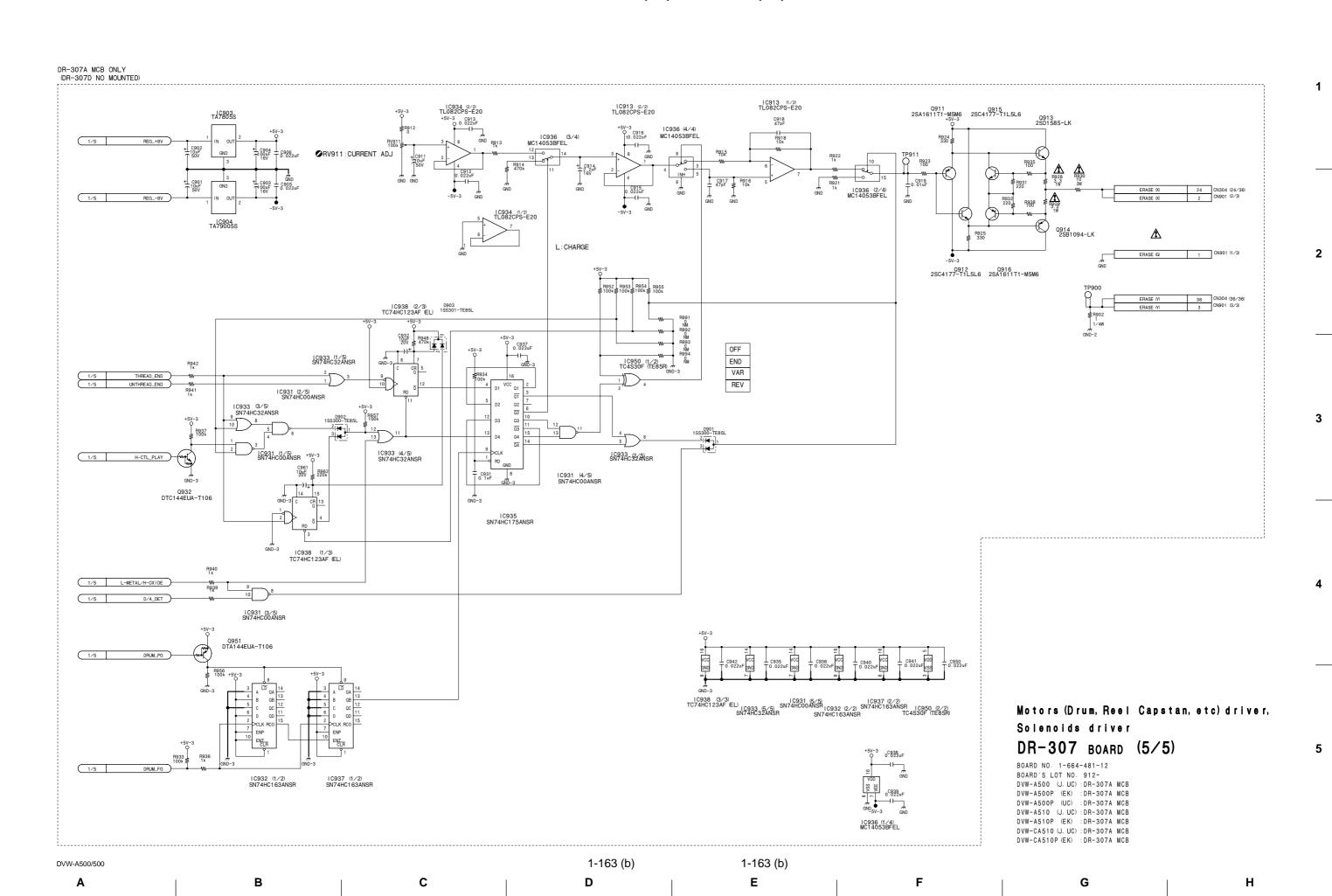


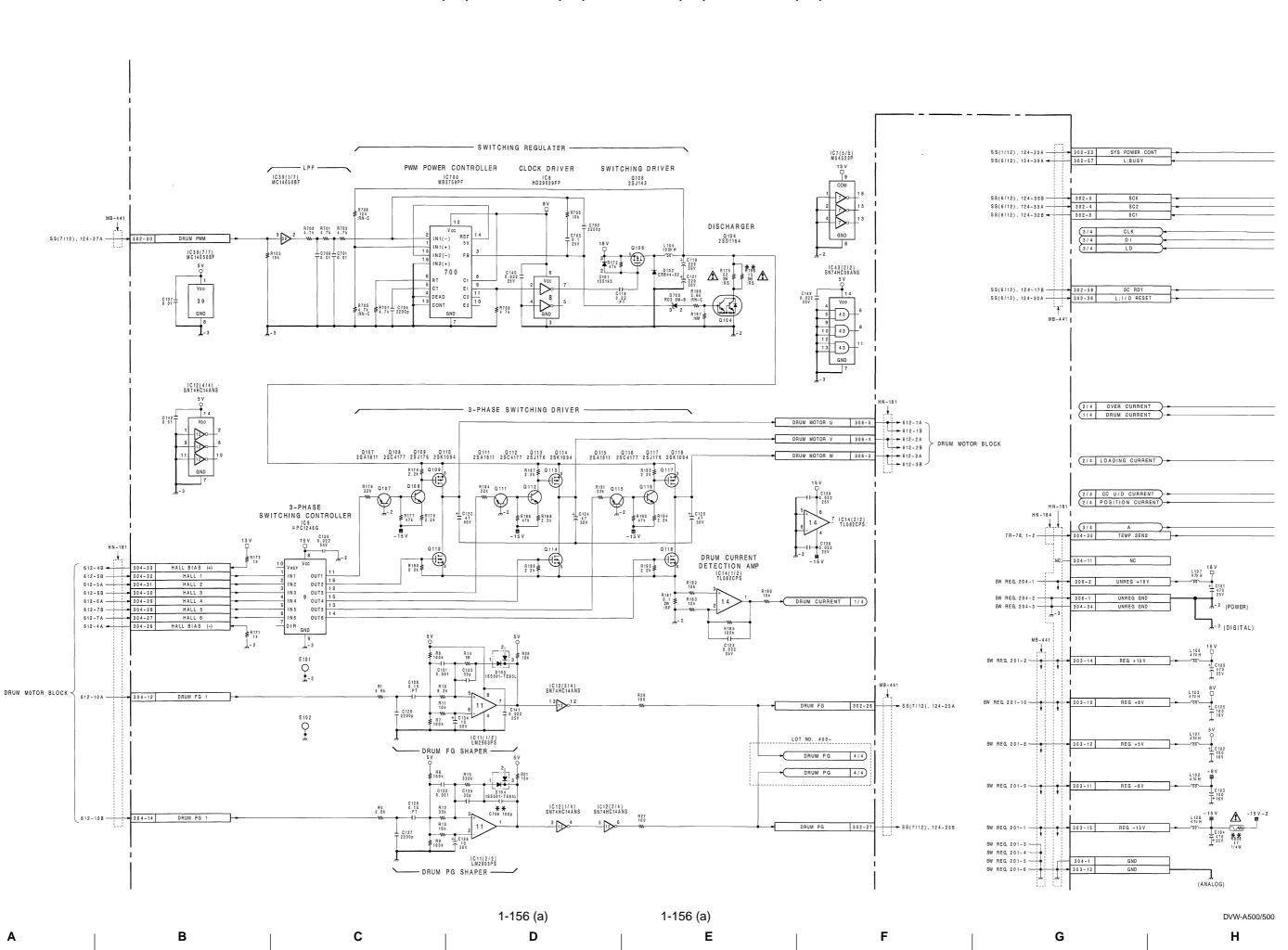


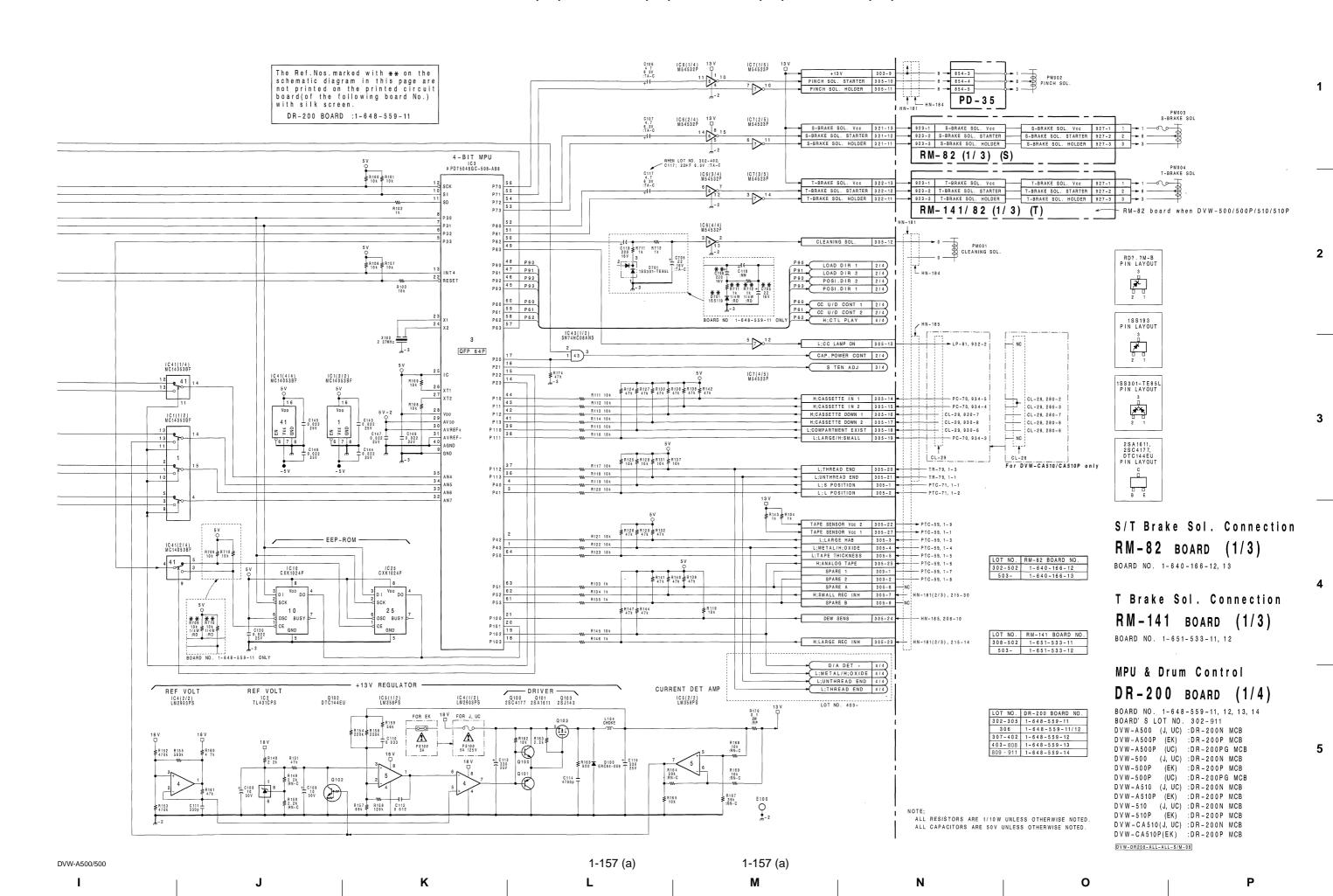
A B C D D E F G H

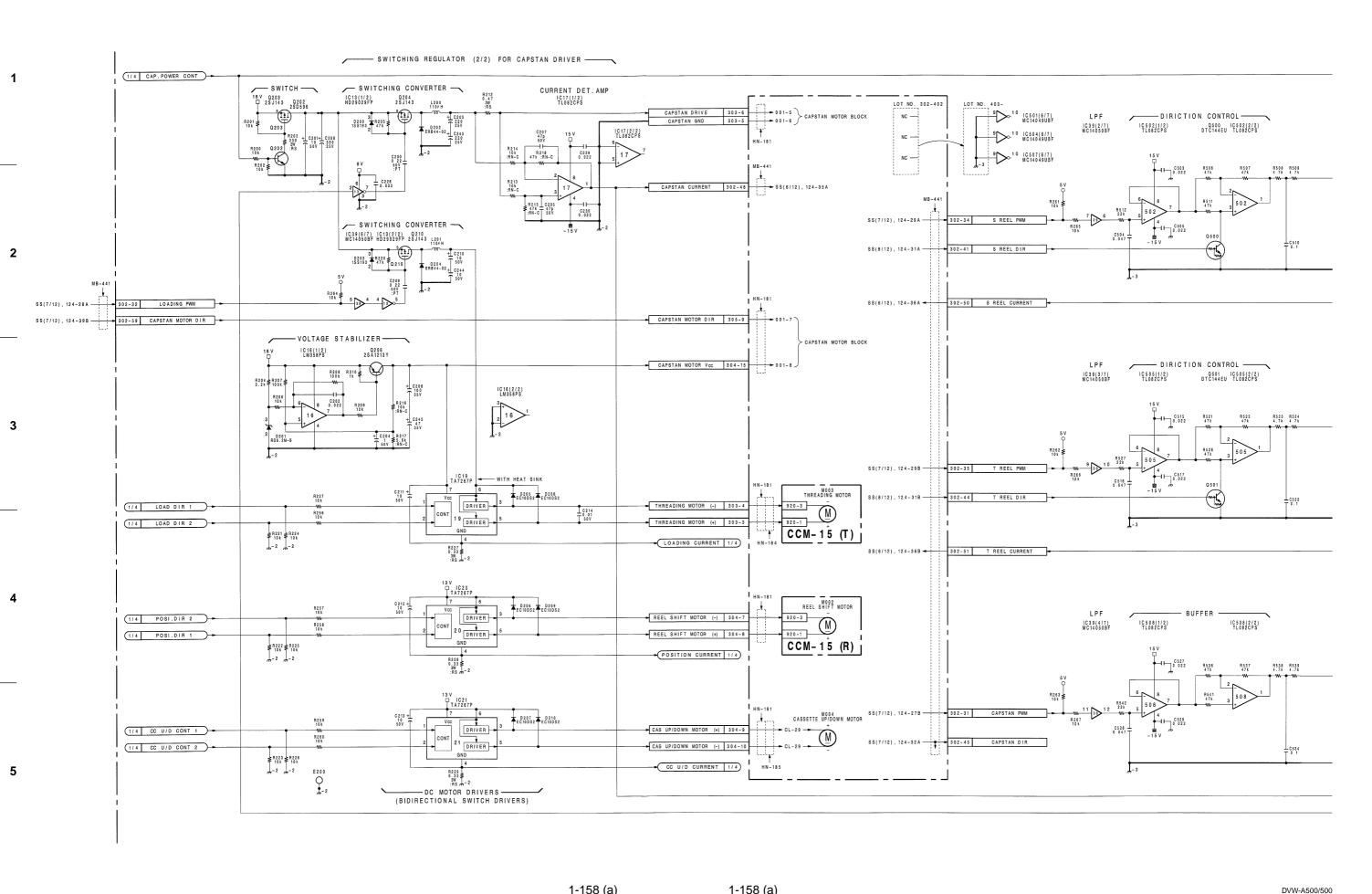




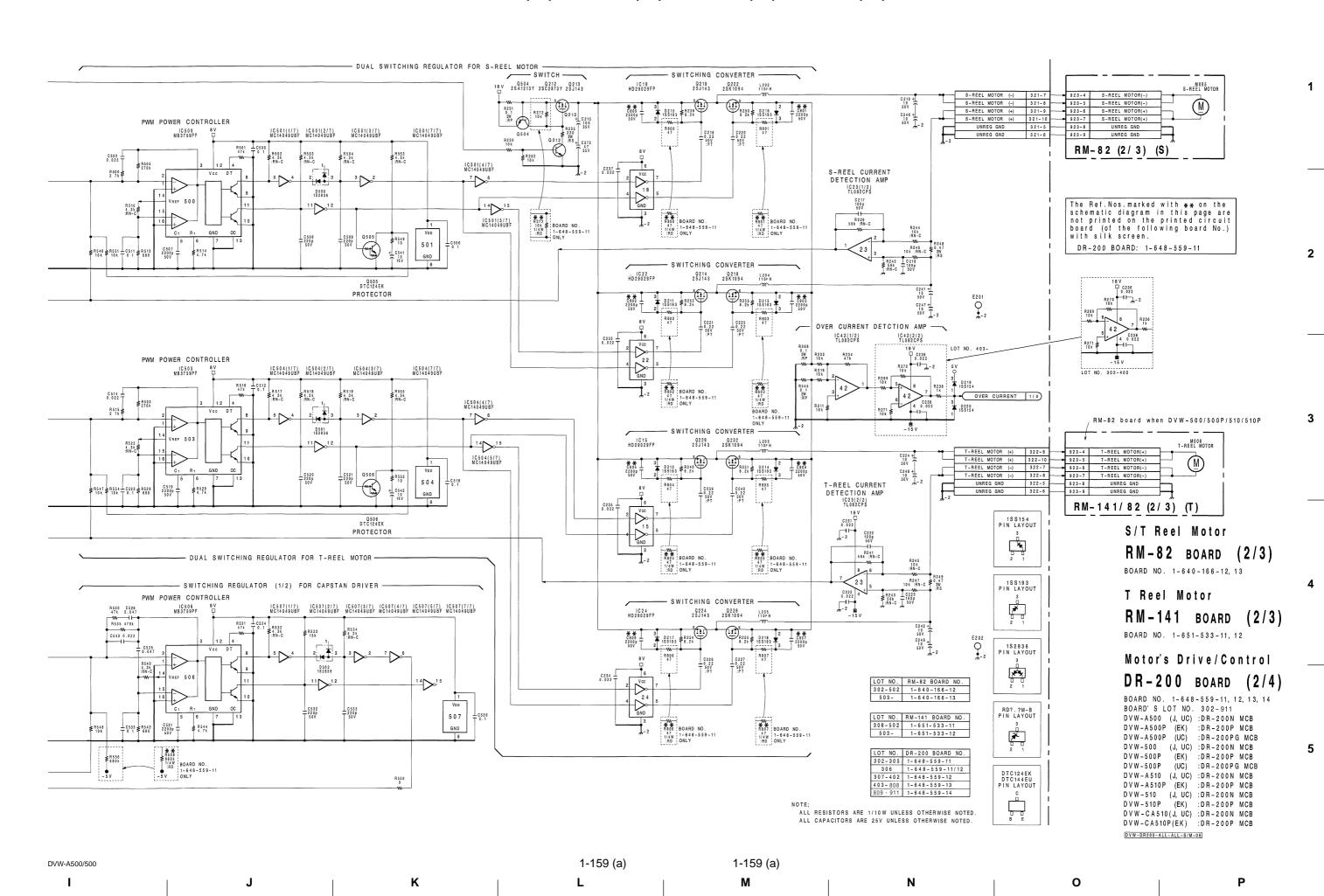


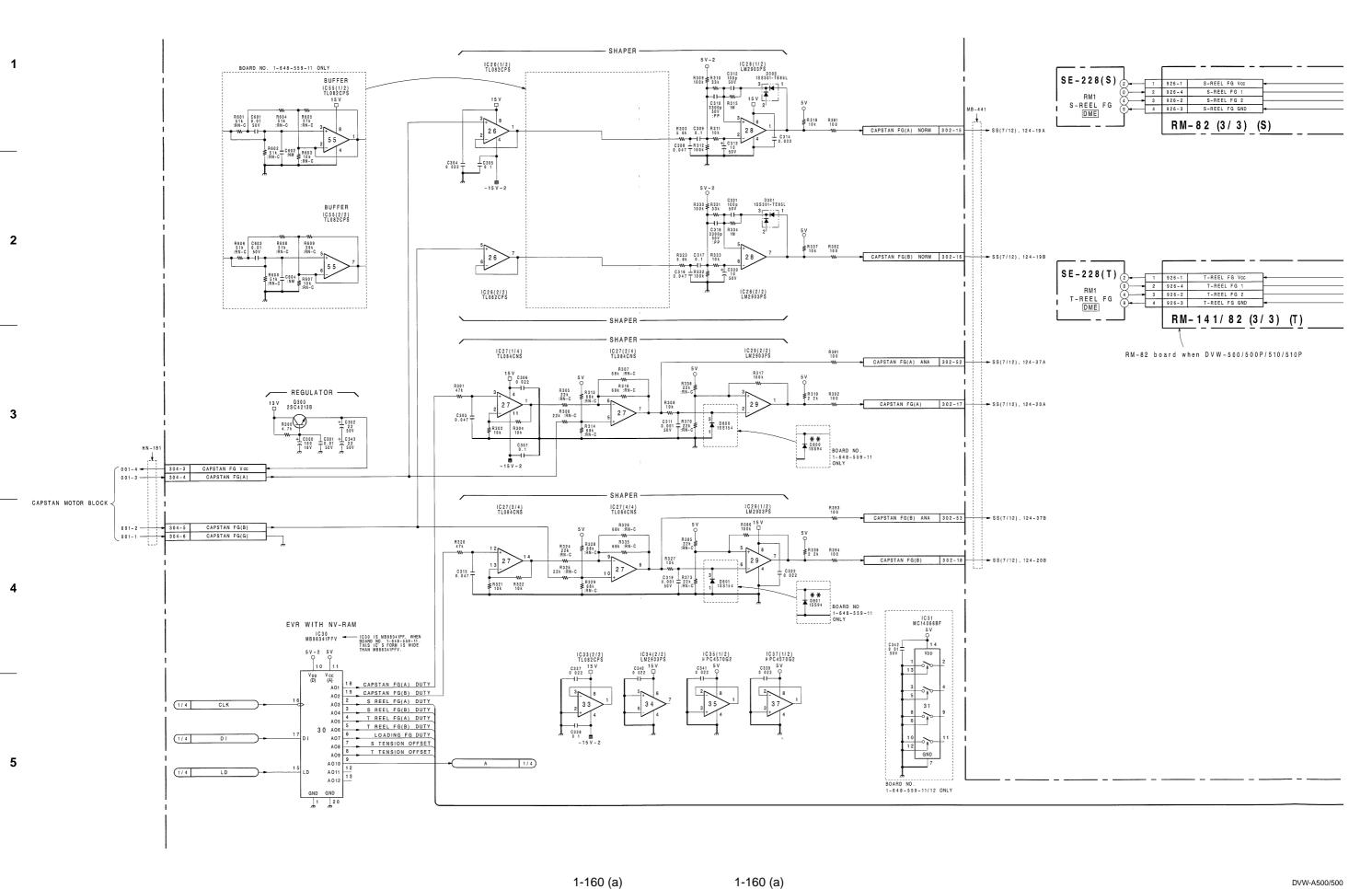




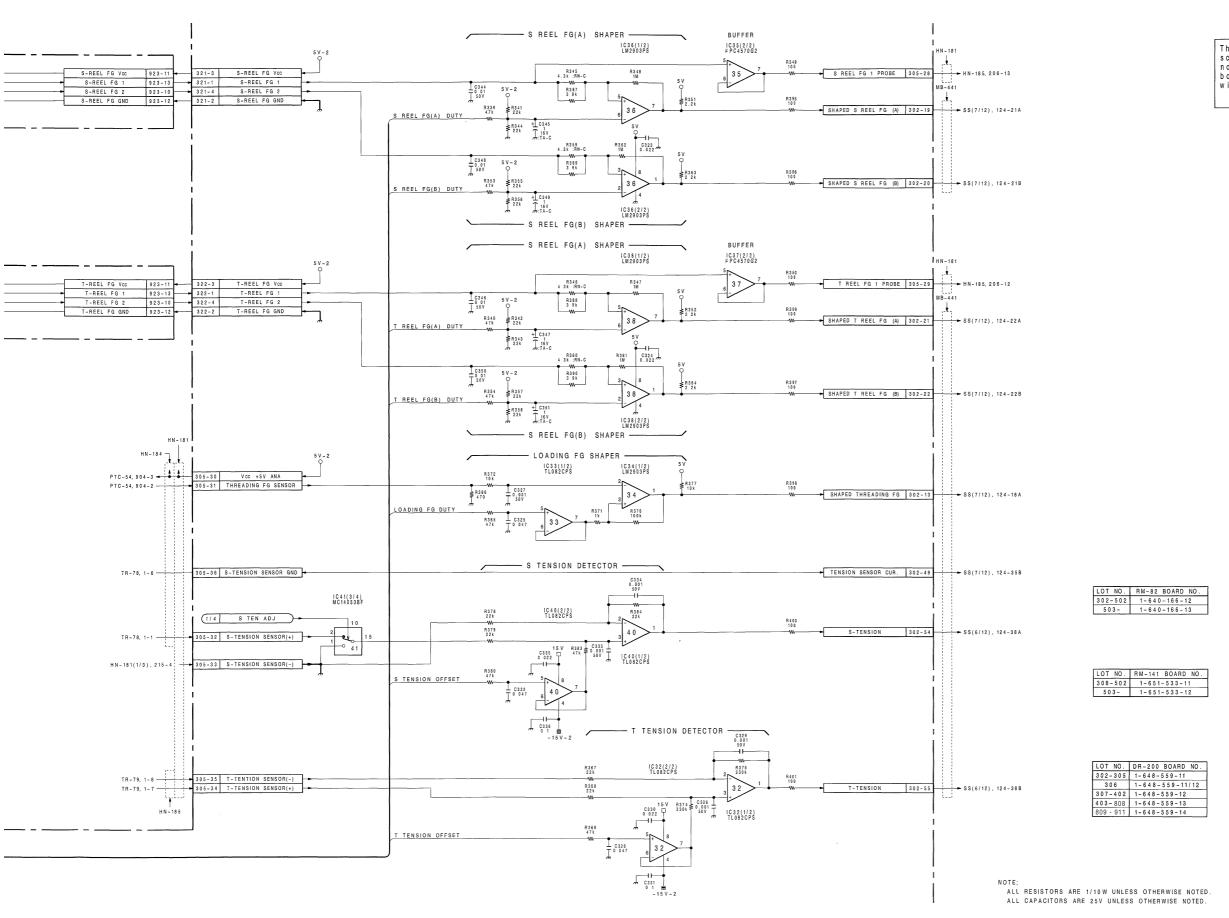


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A B C D E F G H



The Ref.Nos.marked with ** on the schematic diagram in this page are not printed on the printed circuit board(of the following board No.) with silk screen.

DR-200 BOARD :1-648-559-11







S/T Reel FG SE-228 BOARD

BOARD NO. 1-649-617-11

S/T Reel FG Connection RM-82 BOARD (3/3)

BOARD NO. 1-640-166-12, 13

T Reel FG Connection RM-141 BOARD (3/3)

BOARD NO. 1-651-533-11, 12

Wavefrom Shaper DR - 200 BOARD (3/4)

BOARD NO. 1-648-559-11, 12, 13, 14 BOARD'S LOT NO. 302-911

DVW-A500 (J, UC): DR-200P MCB

DVW-A500P (EK): DR-200P MCB

DVW-A500P (UC): DR-200P MCB DVW-500 (J, UC) : DR-200N MCB DVW-500P (EK) :DR-200P MCB DVW-500P (UC) :DR-200PG MCB DVW-A510 (J, UC) : DR-200N MCB DVW-A510P (EK) :DR-200P MCB DVW-510 (J, UC) :DR-200N MCB DVW-510P (EK) :DR-200P MCB $D\,V\,W - C\,A\,5\,10\,(\,J,\ UC) \quad : D\,R - 2\,0\,0\,N \quad M\,C\,B$ DVW-CA510P(EK) : DR-200P MCB

DVW-DR200-ALL-ALL-S/M-06

DVW-A500/500

1-161 (a)

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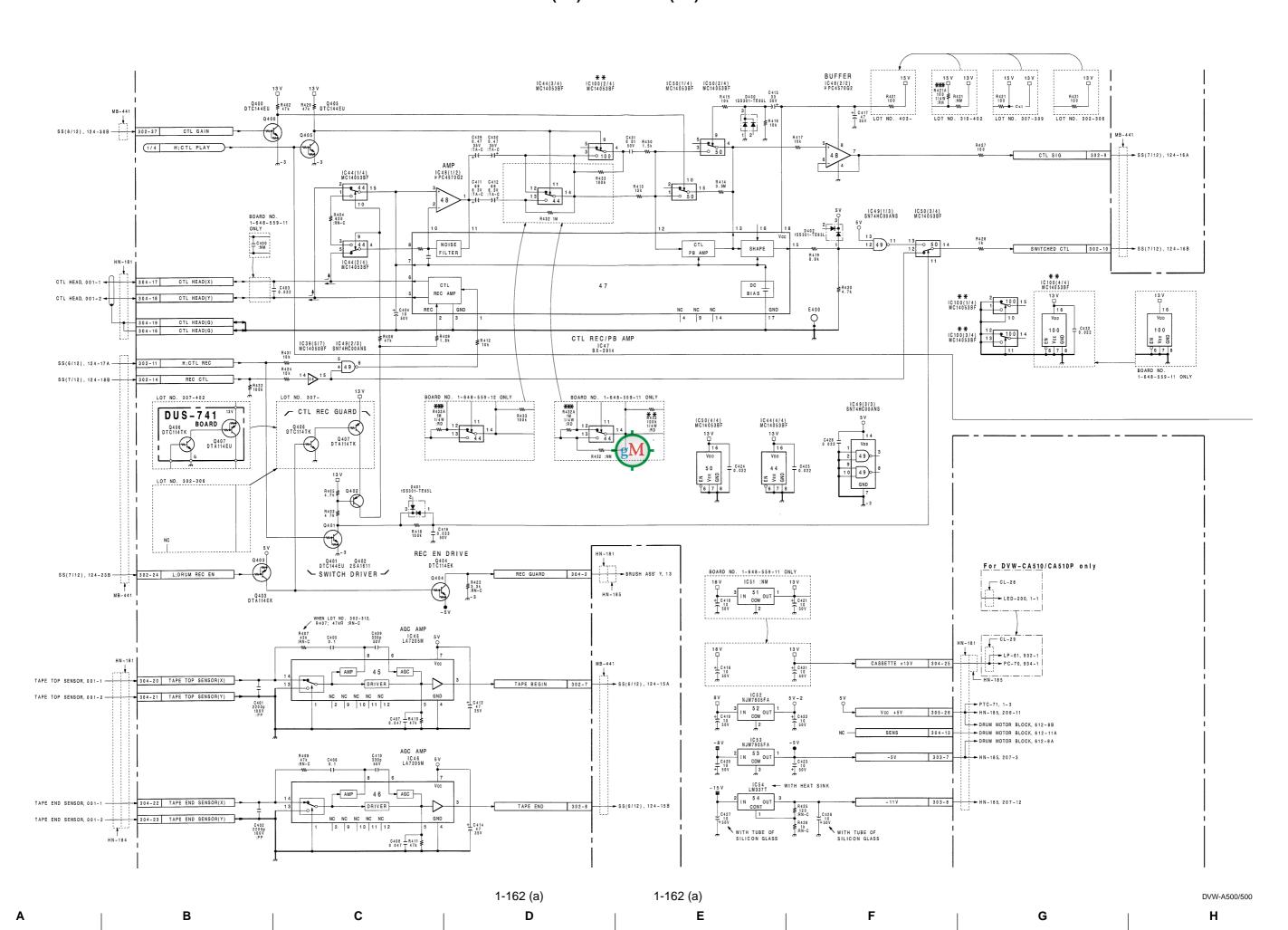
1-161 (a) M

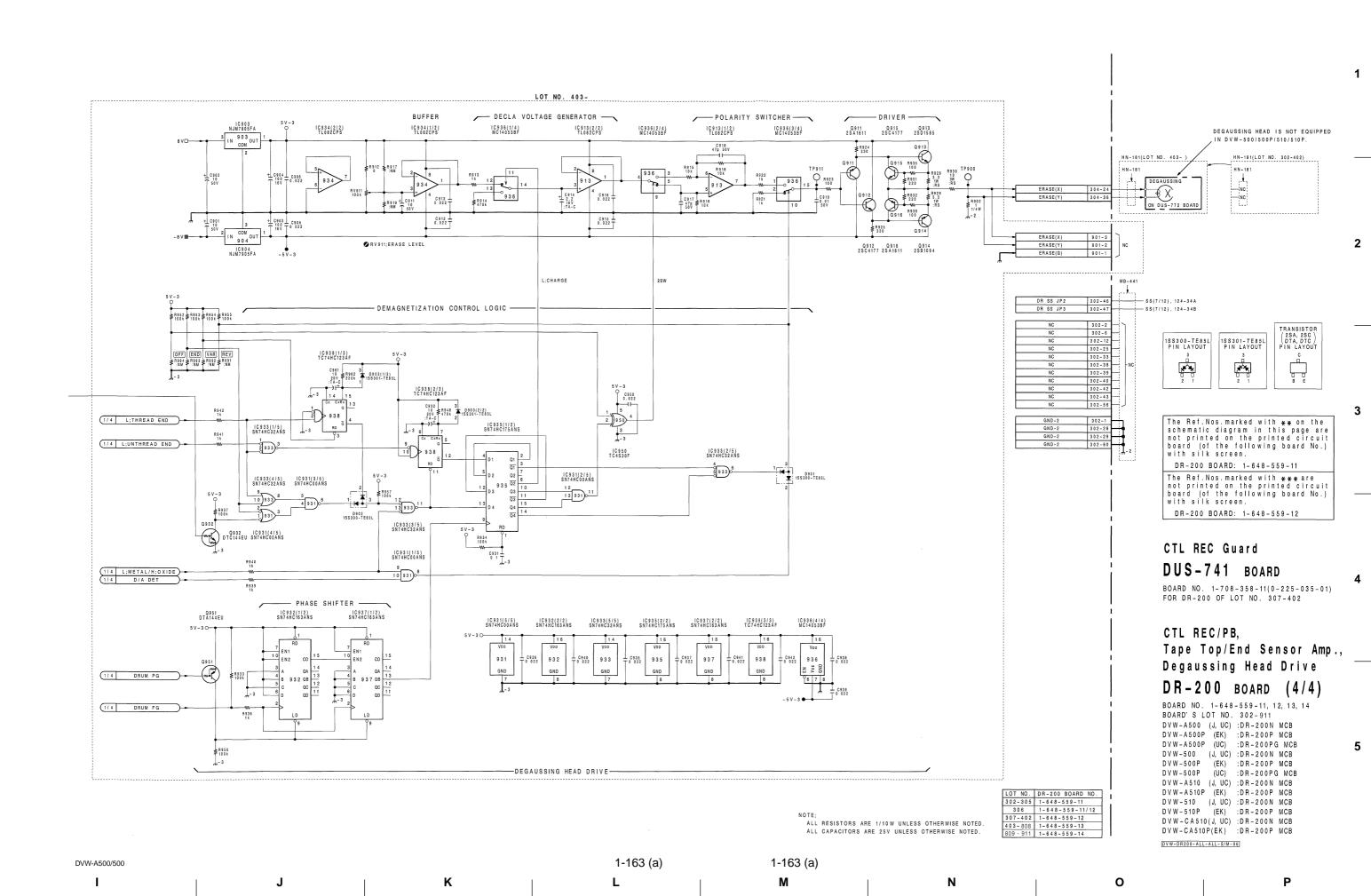
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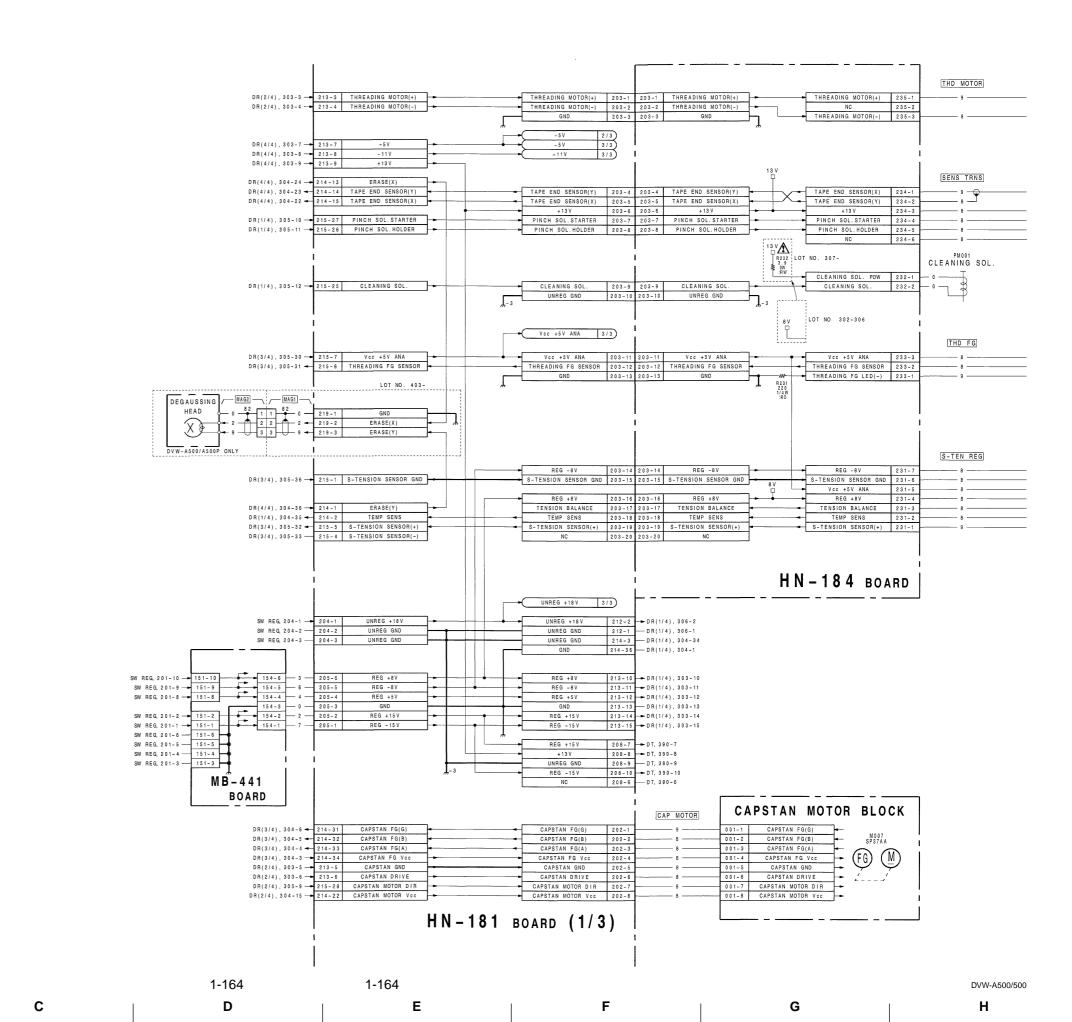


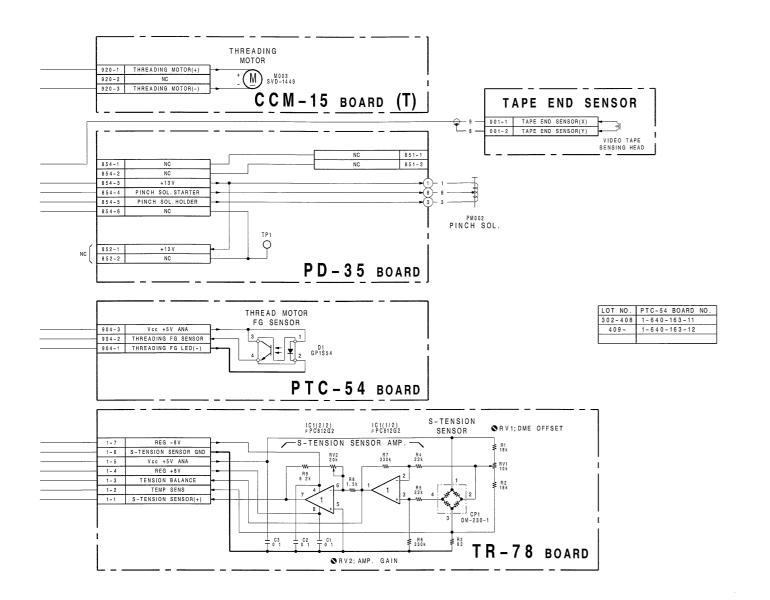


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	LOT NO.	BOARD NO.		
		HN-181	H N - 184	
	302-306	1-648-561-11	1-648-562-11	
	307-402	1-648-561-12	1-648-562-12	
- 1	403-	1-648-561-13	1-648-562-13	

S-Tension Sensor

TR-78 BOARD

BOARD NO. 1-648-564-11 ALL DVWs :TR-78 MCB

Threading FG

PTC-54 BOARD

BOARD NO. 1-640-163-11, 12 ALL DVWs :PTC-54 MCB

Pinch Solenoid Connection

PD-35 BOARD

BOARD NO. 1-622-596-11 ALL DVWs

Threading Motor

CCM-15 BOARD (T)

BOARD NO. 1-648-570-11 ALL DVWs

Connection Board

HN-184 BOARD

BOARD NO. 1-648-562-11, 12, 13 BOARD'S LOT NO. 302-ALL DVWs : HN-184 MCB

Connection

HN-181 BOARD (1/3)

BOARD NO. 1-648-561-11, 12, 13 BOARD'S LOT NO. 302-DVW-A500 (J, UC) :HN-181 MCB DVW-A500P (EK) :HN-181 MCB DVW-A500P (UC) :HN-181 MCB DVW-500 (J, UC) :HN-181 MCB DVW-500P(EK, UC) :HN-181 MCB DVW-A510 (J, UC) :HN-181B MCB DVW-A510P (EK) :HN-181B MCB DVW-510 (J, UC) :HN-181B MCB DVW-510P (EK) :HN-181B MCB DVW-CA510(J, UC) : HN-181B MCB DVW-CA510P(EK) : HN-181B MCB DVW-HN181-ALL-REC-S/M-05

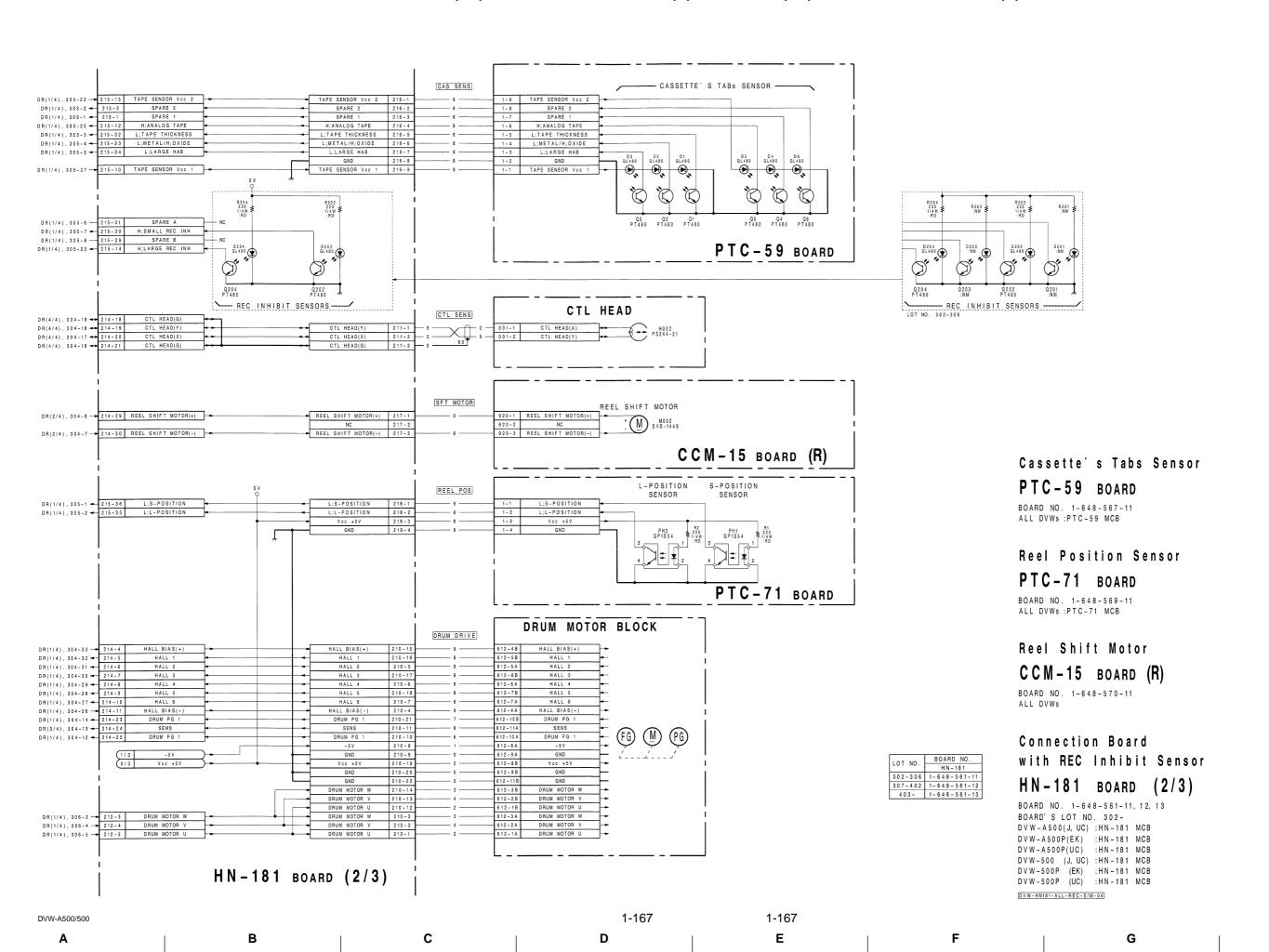
DVW-A500/500

ALL RESISTORS ARE 1/10 W UNLESS OTHERWISE NOTED. ALL CAPACITORS ARE 25V UNLESS OTHERWISE NOTED.

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1-165 M

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TP245 T-TEN/THD DR(1/4), 305-21 -L;UNTHREAD END UNREG +18 V L;UNTHREAD END UNREG +18 V L;THREAD END Vcc +5V DR(3/4), 305-34 - 215-3 T-TENSION SENSOR(+) T-TENSION SENSOR(-) 244-6 DR(3/4), 305-35 215-2 | T-TENSION SENSOR(-) T-TENSION SENSOR(-) 206-15 206-15 T-TENSION SENSOR(-) T-TENSION SENSOR(+) 244-1/3 UNREG +18V LOT NO 307 1/3 Vcc +5V ANA CHASSIS DR(3/4), 305-28 - 215-9 S REEL FG 1 PROBE

DR(3/4), 305-29 - 215-8 T REEL FG 1 PROBE

DR(4/4), 305-26 - 215-11 Vcc +5V T REEL FG 1 PROBE 206-12 206-12 T REEL FG 1 PROBE DR(1/4), 305-24 -LOT NO. 302-306 TOP SENS DR(4/4), 304-20 - 214-17 TAPE TOP SENSOR(X)

DR(4/4), 304-21 - 214-16 TAPE TOP SENSOR(Y) TAPE TOP SENSOR(X) 206-9 206-9 TAPE TOP SENSOR(X) TAPE TOP SENSOR(Y) 206-8 206-8 TAPE TOP SENSOR(Y) TAPE TOP SENSOR(Y) 243-2 CASS CON DR(1/4).305-19 -L;LARGE/H;SMALL 206-7 206-7 L;LARGE/H;SMALL H;CASSETTE IN 1 206-6 206-6 H;CASSETTE IN 1 H;CASSETTE IN 1 DR(1/4), 305-14 -215-23 H; CASSETTE IN 1 DR(1/4), 305-15 -DR(4/4), 304-25 - 214-12 CASSETTE +13V CASSETTE +13V 206-4 206-4 CASSETTE +13V CASSETTE +13 V L;COMPARTMENT EXIST 206-3 206-3 L;COMPARTMENT EXIST H;CASSETTE DOWN 1 206-2 206-2 H;CASSETTE DOWN 1 DR(1/4), 305-18 215-19 | L:COMPARTMENT EXIST L:COMPARTMENT EXIST 242-6 15-21 H;CASSETTE DOWN 1 H; CASSETTE DOWN 1 242-7 DR(1/4), 305-17 -215-20 H;CASSETTE DOWN 2 H;CASSETTE DOWN 2 206-1 206-1 H;CASSETTE DOWN 2 H; CASSETTE DOWN 2 242-8 DR(1/4), 305-13 - 215-24 L;CC LAMP ON DR(2/4), 304-10 214-27 CAS UP/DOWN MOTOR(-) CAS UP/DOWN MOTOR(-) 207-18 207-18 CAS UP/DOWN MOTOR(-) DR(2/4).304-9-DR(2/4), 304-11 214-26 DT, 390-5 208-5 BIM DRIVE SIG(B)
DT, 390-4 208-4 BIM DRIVE SIG(A)
DT, 390-3 208-3 MODE SW T C246 E242 :NM MODE SW BIM DRIVE B TP244 TP243

BIM-B BIM-A

R244
100k
:RD R243 DT, 390-1 -BIM DRIVE A SS(9/12), 124-48A - 124-48A SS(11/12), 124-47B - 124-47B SS(11/12), 124-47A - 124-47A 149-5 149-4 149-3 149-2 R243 100k :RD LOT NO. 302-306 BIM DRIVE B BIM DRIVE B BIM DRIVE A BIM DRIVE A BIM DRIVE A SS(9/12), 124-46B - 124-46B UNREG GND UNREG GND REC GUARD 201-2 BIM DRIVE SIG(B LOT NO. 307--11V ANA GND SS(11/12), 124-50B - 124-50B - SS(11/12), 124-50A - 124-50A - SS(11/12), 124-49B - 124-49B - ANALOG SG B ANALOG SG B 149-9 DIGITAL SG B ANALOG SG A DIGITAL SG B 207-9 207-9 DIGITAL SG B OFF SET DIGITAL SG B CONNECTE TO SS(11/12), 124-49A 124-49A SS(11/12), 124-48B 124-48E DIGITAL SG A OFF SET DIGITAL SG A DIGITAL SG A DIGITAL SG A DIGITAL DT B DT, 391-7 --DT, 391-5 ---DIGITAL DT B DIGITAL DT B DIGITAL DT B DIGITAL DT A MB-441 209-5 DIGITAL DT A DIGITAL DT A DIGITAL DT A ANALOG SG B -5V ANALOG DT B -5V ANALOG DT B ANALOG SG A BOARD DT, 391-3 - 209-3 DT, 391-1 - 209-1 ANALOG DT B ANALOG DT B ANALOG DT A ANALOG DT A DT, 391-2 209-2 DT, 391-6 209-6 T+16V T :CC HN-181 BOARD (3/3) HN-185 BOARD BIM DRIVE, DT, and SG signals are HIGH VOLTAGE

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1-168

DVW-A500/500

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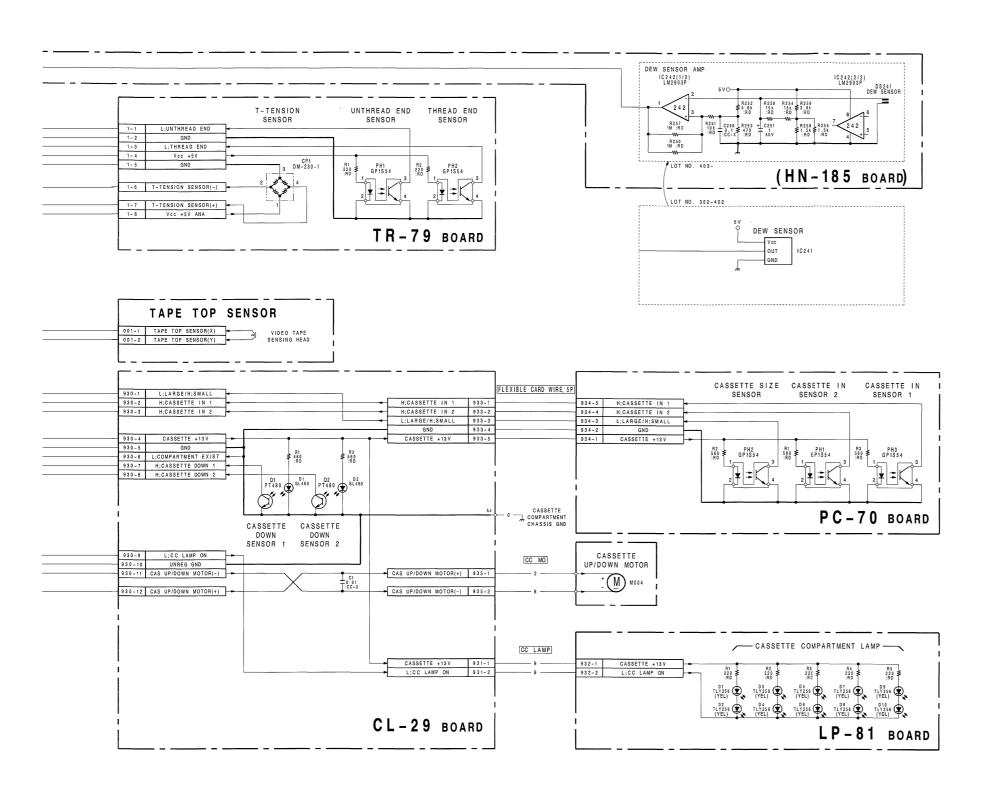
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ALL RESISTORS ARE 1/4W UNLESS OTHERWISE NOTED. ALL CAPACITORS ARE 50V UNLESS OTHERWISE NOTED

LOT NO.	BOARD NO.		
	HN-181	HN-185	
302-306	1-648-561-11	1-648-563-11	
307-402			
403-	1-648-561-13	1-648-563-14	

1-169 1-169 DVW-A500/500 Κ M Ν

T-Tension Sensor, Thread/Unthread-End Sensor

TR-79 BOARD BOARD NO. 1-648-565-11 ALL DVWs :TR-79 MCB

Cassette-In Sensor, Cassette Down Sensor

PC-70 BOARD

```
BOARD NO. 1-648-571-11,12
 BOARD'S LOT NO. 302-
DVW-A500 (J, UC) :PC-70 MCB
DVW-A500P (EK) :PC-70 MCB
DVW-A500P (UC) :PC-70 MCB
DVW-500 (J, UC) :PC-70 MCB
DVW-500P(EK, UC) :PC-70 MCB
DVW-A510 (J, UC) :PC-70 MCB
DVW-A510P (EK) :PC-70 MCB
DVW-510 (J, UC) :PC-70 MCB
DVW-510P (EK) :PC-70 MCB
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Cassette Up/Down Motor, Cassette Down Sensor

CL-29 BOARD

```
BOARD NO. 1-648-572-11
BOARD'S LOT NO. 302-
DVW-A500 (J, UC) : CL-29 MCB
DVW-A500P (EK) :CL-29 MCB
DVW-A500P (UC) :CL-29 MCB
DVW-500 (J, UC) : CL-29 MCB
DVW-500P(EK, UC) :CL-29 MCB
DVW-A510 (J, UC) : CL-29 MCB
DVW-A510P (EK) :CL-29 MCB
DVW-510 (J, UC) : CL-29 MCB
DVW-510P (EK) :CL-29 MCB
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Lamp of Compartment

LP-81 BOARD

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BOARD NO. 1-648-573-11
BOARD'S LOT NO. 302-
DVW-A500 (J, UC) : LP-81 MCB
DVW-A500P (EK) :LP-81 MCB
DVW-A500P (UC) :LP-81 MCB
DVW-500 (J, UC) :LP-81 MCB
DVW-500P(EK, UC) :LP-81 MCB
DVW-A510 (J, UC) : LP-81 MCB
DVW-A510P (EK) :LP-81 MCB
DVW-510 (J, UC) :LP-81 MCB
DVW-510P (EK) :LP-81 MCB
```

Connection Board with Dew Sensor

HN-185 BOARD

BOARD NO. 1-648-563-11, 12, 14 BOARD'S LOT NO. 302-ALL DVWs : HN-185 MCB

Connection

HN-181 BOARD (3/3)

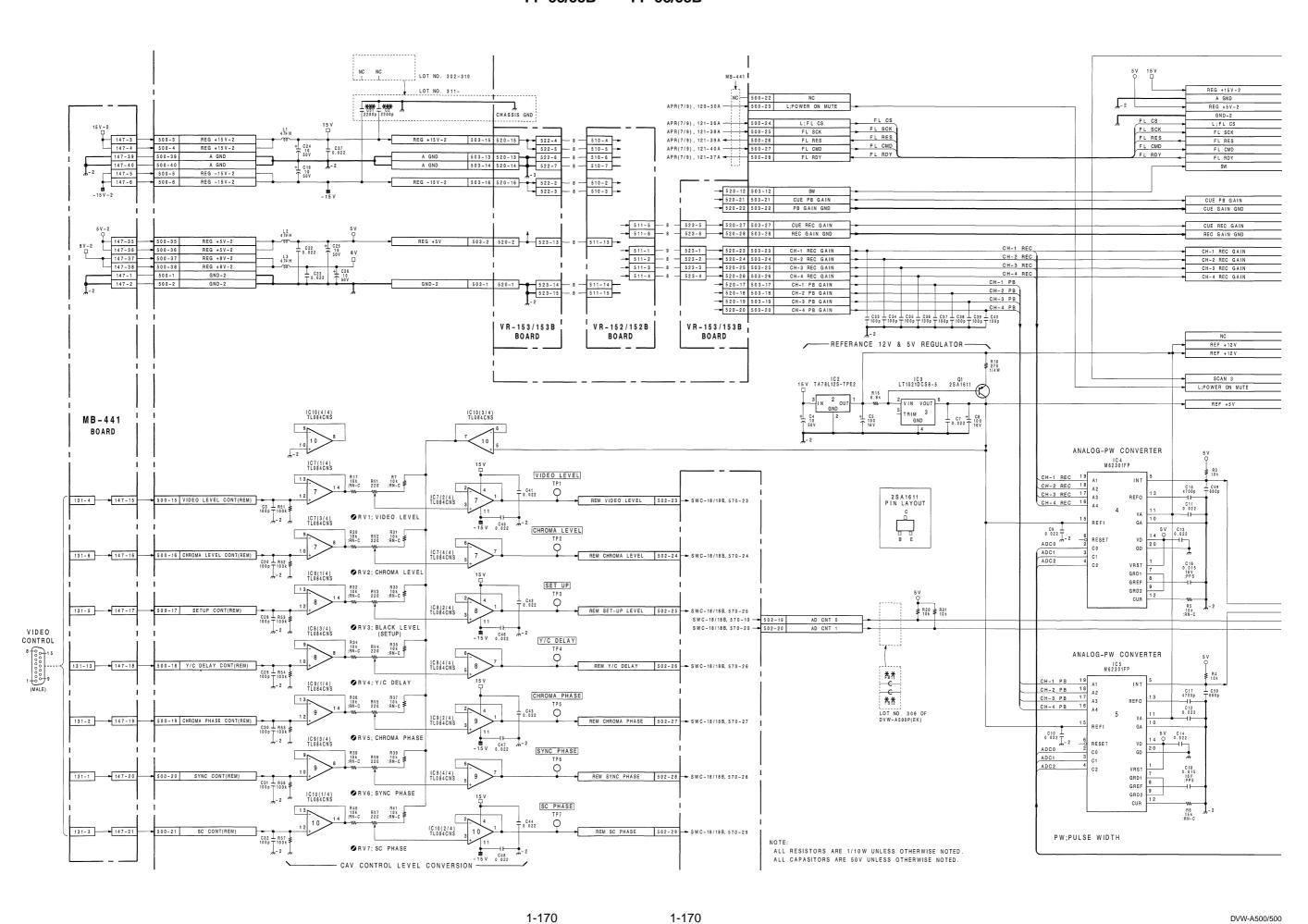
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BOARD NO. 1-648-561-11, 12, 13
BOARD'S LOT NO. 302-
DVW-A500 (J, UC) :HN-181 MCB
DVW-A500P (EK) :HN-181 MCB
DVW-A500P (UC) :HN-181 MCB
DVW-500 (J, UC) :HN-181 MCB
DVW-500P(EK, UC) :HN-181 MCB
DVW-A510 (J, UC) : HN-181B MCB
DVW-A510P (EK) : HN-181B MCB
DVW-510 (J, UC) : HN-181B MCB
DVW-510P (EK) : HN-181B MCB
DVW-CA510(J, UC) : HN-181B MCB
DVW-CA510P(EK) :HN-181B MCB
DVW-HN181-ALL-REC-S/M-04
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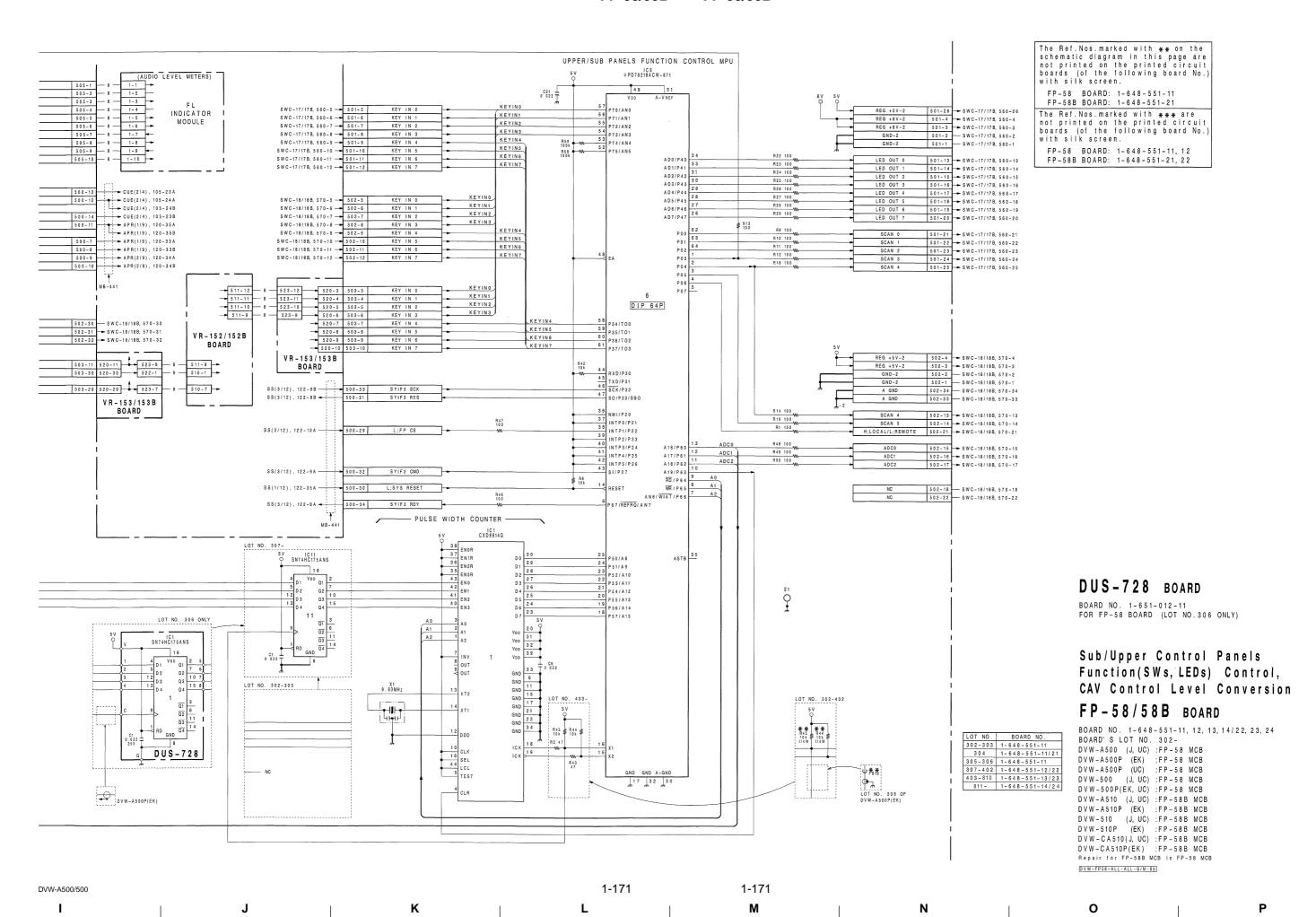
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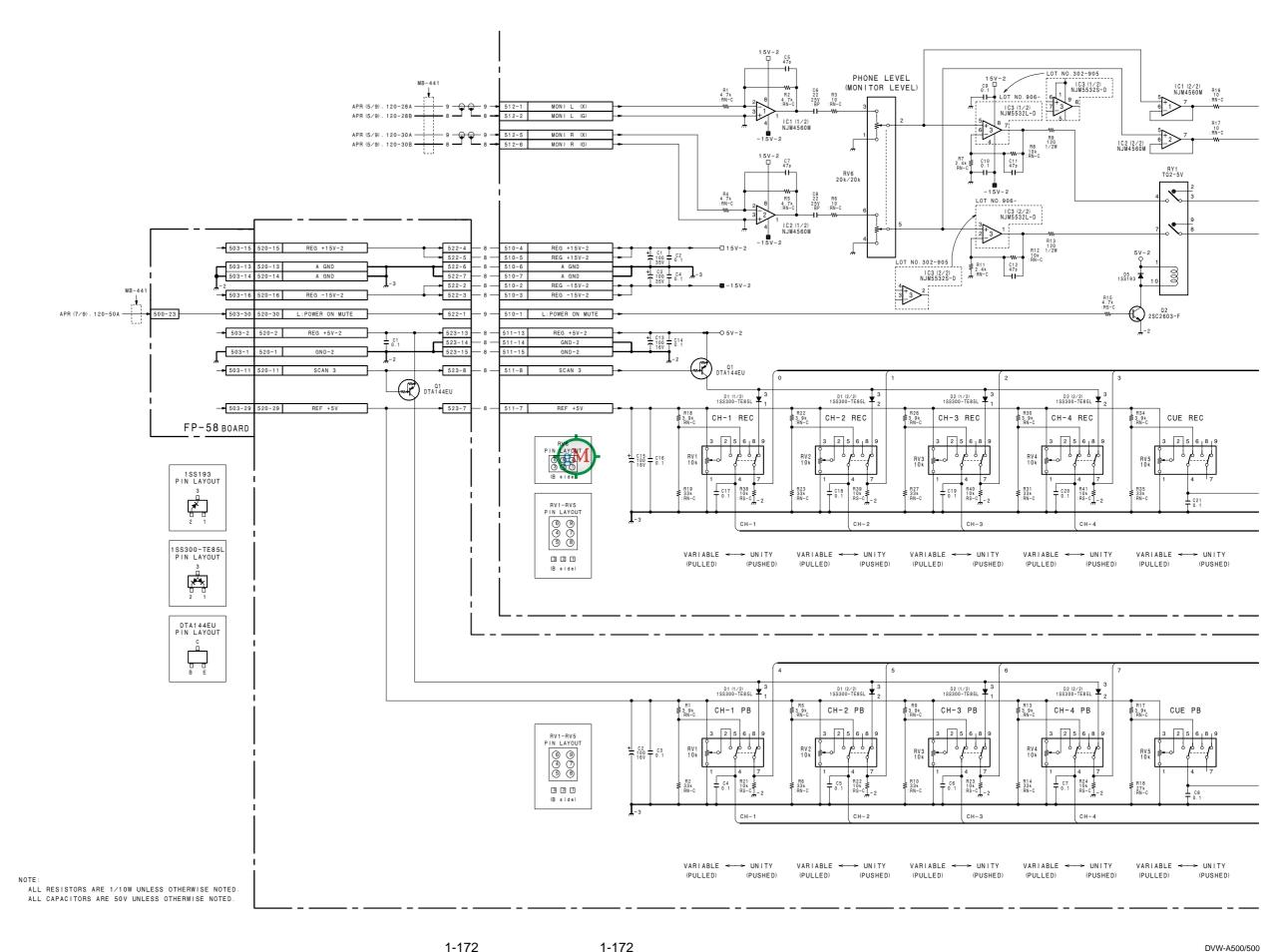
B C D E F G H



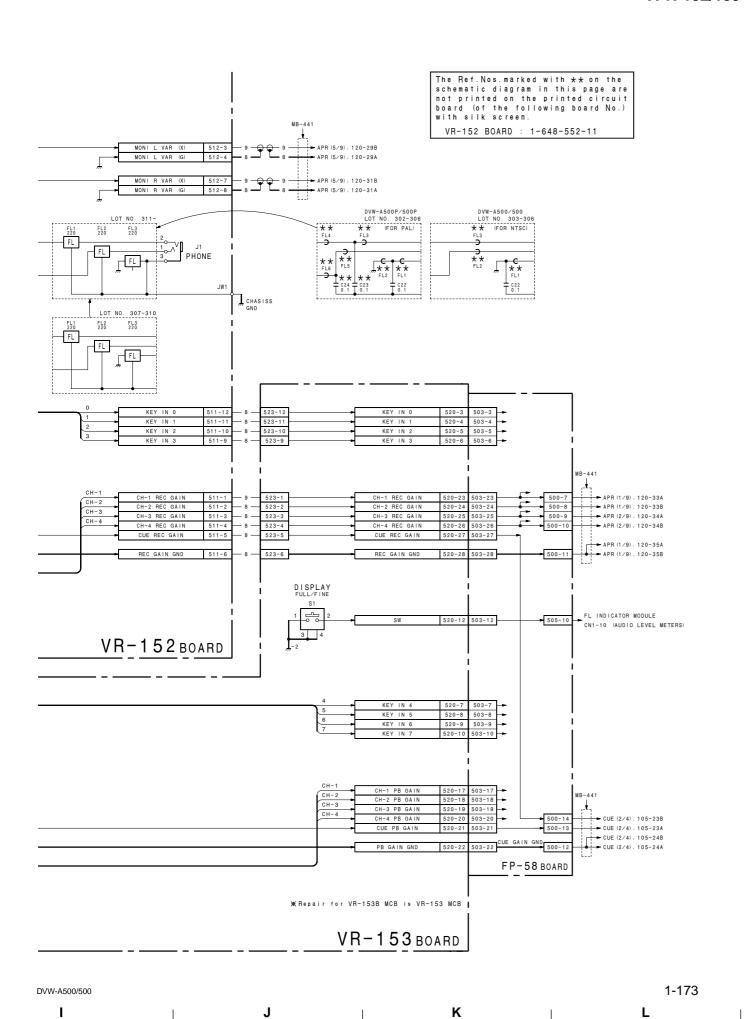
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1-172 1-172 DVW-A500
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LOT NO. VR-152 VR-153 302-306 1-648-552-11 1-648-553-11 403- 1-648-552-12 403- 1-648-552-13

> Audio REC Level VRs, Phone Level VR, Phone Connector

VR-152 BOARD

BOARD NO. 1-648-552-11, 12, 13
BOARD 'S LOT NO. 302DVW-A500 (J. UC) :VR-152 MCB
DVW-A500P (EK) :VR-152 MCB
DVW-A500P (J. UC) :VR-152 MCB
DVW-500 (J. UC) :VR-152 MCB
DVW-500P (EK) :VR-152 MCB
DVW-500P (EK) :VR-152 MCB

Audio PB Level VRs. VR-153 BOARD

BOARD NO. 1-648-553-11, 12
BOARD'S LOT NO. 302DVW-A500 (J, UC) : VR-153 MCB
DVW-A500P (EK) : VR-153 MCB
DVW-A500P (J, UC) : VR-153 MCB
DVW-500P (J, UC) : VR-153 MCB
DVW-500P (EK) : VR-153 MCB
DVW-500P (UC) : VR-153 MCB

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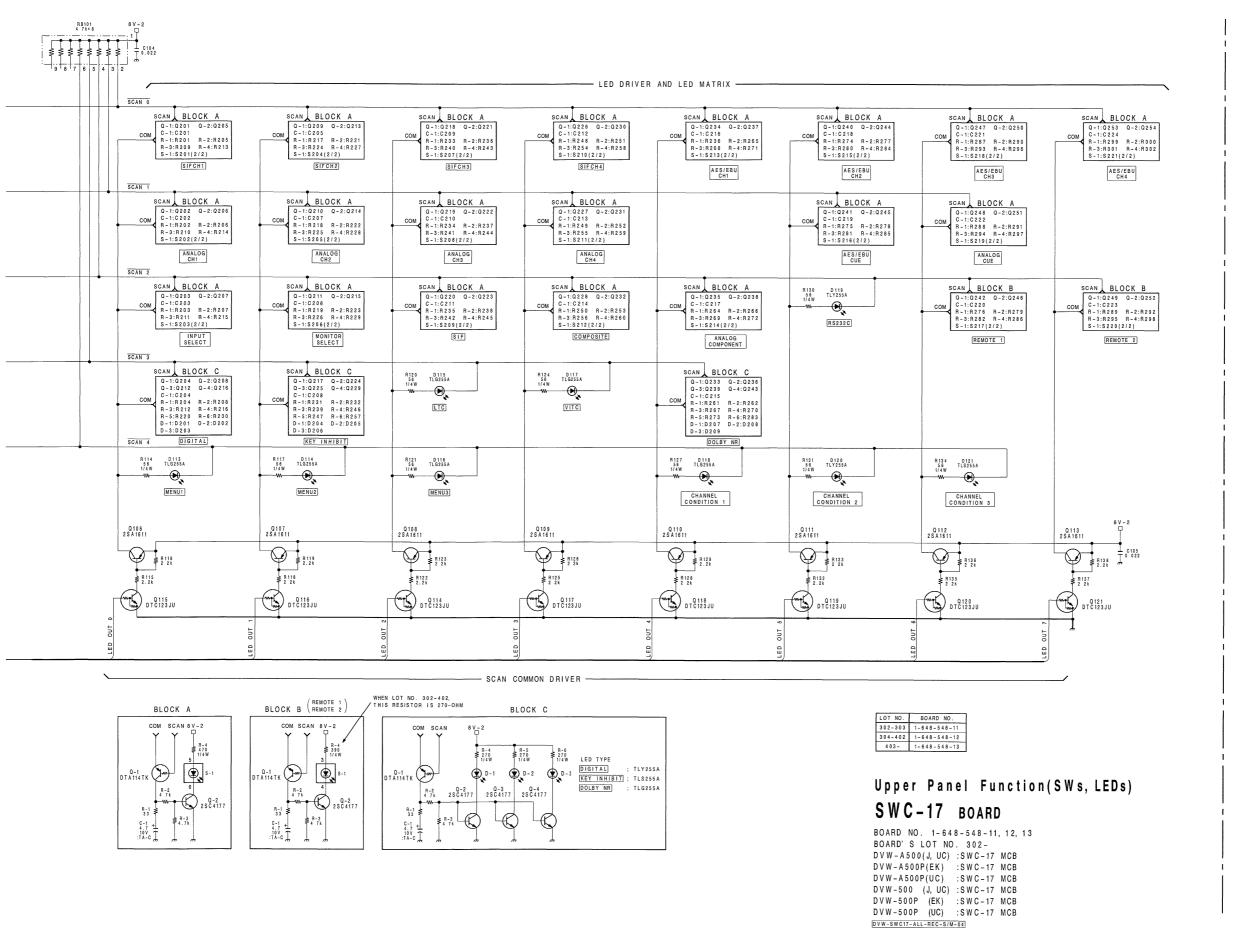
KEY MATRIX -O101 DTA123JK 5V-2 INVERTER O SCAN 0 SCAN 1 SCAN 2 3 D107(1/2) 1SS300-TE85L 3 D107(2/2) 1SS300-TEB5L D101(2/2) T1SS300-TE85L D101(1/2) 1SS300-TE85L D104(1/2) T1SS300-TE85L D104(2/2) T1SS300-TEB5L D110(1/2) 155300-TEB5L D110(2/2) 1SS300-TEB5L \$204(2/2) 5 S218(1/2) S221(1/2) DTA123JK INVERTER \$201-216, 218, 219, 221 AES/EBU CH2 AES/EBU CH3 AES/EBU CH4 SIF CH1 SIF CH2 SIF CH3 SIF CH4 3 D109(2/2) 1SS300-TEB5L 3 D102(1/2) T1SS300-TE85L D102(2/2) 188300-TE85L D105(1/2) 1SS300-TE85L D109(2/2) 1SS300-TE85L D111(1/2) 1SS300-TE85L D111(2/2) 188300-TE85L ` | s202(1/2) DTA123JK INVERTER ANALOG CH1 AES/EBU CUE ANALOG CUE ANALOG CH2 ANALOG CH4 ANALOG CH3 3 D108(1/2) 188300-TE85L 3 D103(1/2) 188300-TE85L 3 D103(2/2) 1SS300-TE85L 3 D106(1/2) 1SS300-TE85L 3 D106(2/2) 1SS300-TE85L 3 D108(2/2) 1SS300-TE85L D112(1/2) 188300-TE85L D112(2/2) 1SS300-TE85L Q 10 4 D T A 12 3 J K INVERTER MONITOR SELECT INPUT SELECT SIF COMPOSITE ANALOG COMPONENT REMOTE1 REMOTE2 Q105 DTA123JK INVERTER KEY IN 0 KEY IN 1 501-6 560-6 KEY IN 2 KEY IN 3 KEY IN 5 KEY IN 6 RB102 10k×8 LED OUT 0 LED OUT LED OUT 1 LED OUT 2 LED OUT 3 LED OUT LED OUT LED OUT 4 LED OUT LED OUT 5 TRANSISTORS PIN LAYOUT 1SS300-TE85L PIN LAYOUT LED OUT 7 2 2 3 3 4 2 2 1 8 V - 2 REG +8V-2 ALL RESISTORS ARE 1/10W UNLESS OTHERWISE NOTED. FP-58 BOARD

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DVW-A500/500

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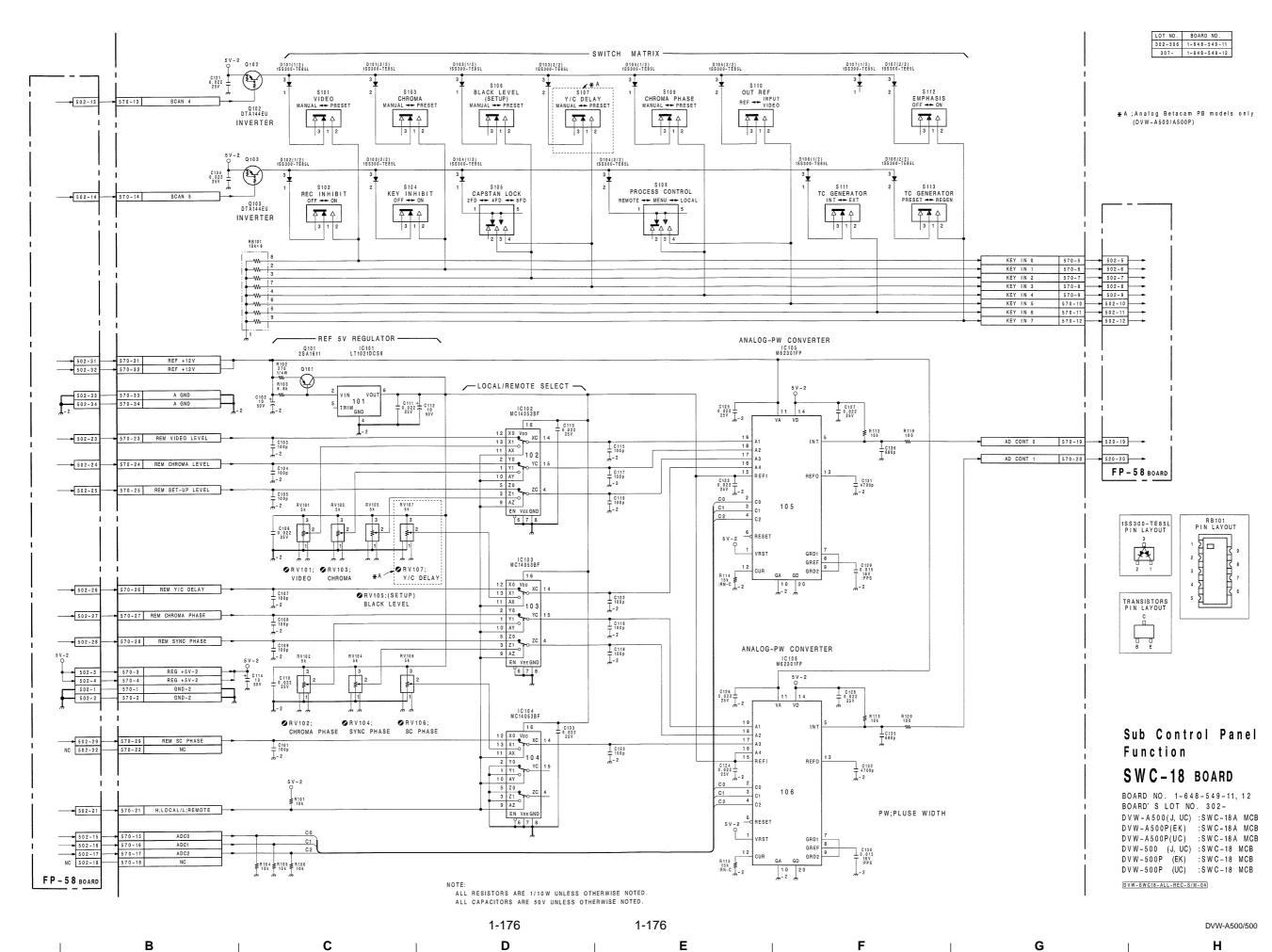
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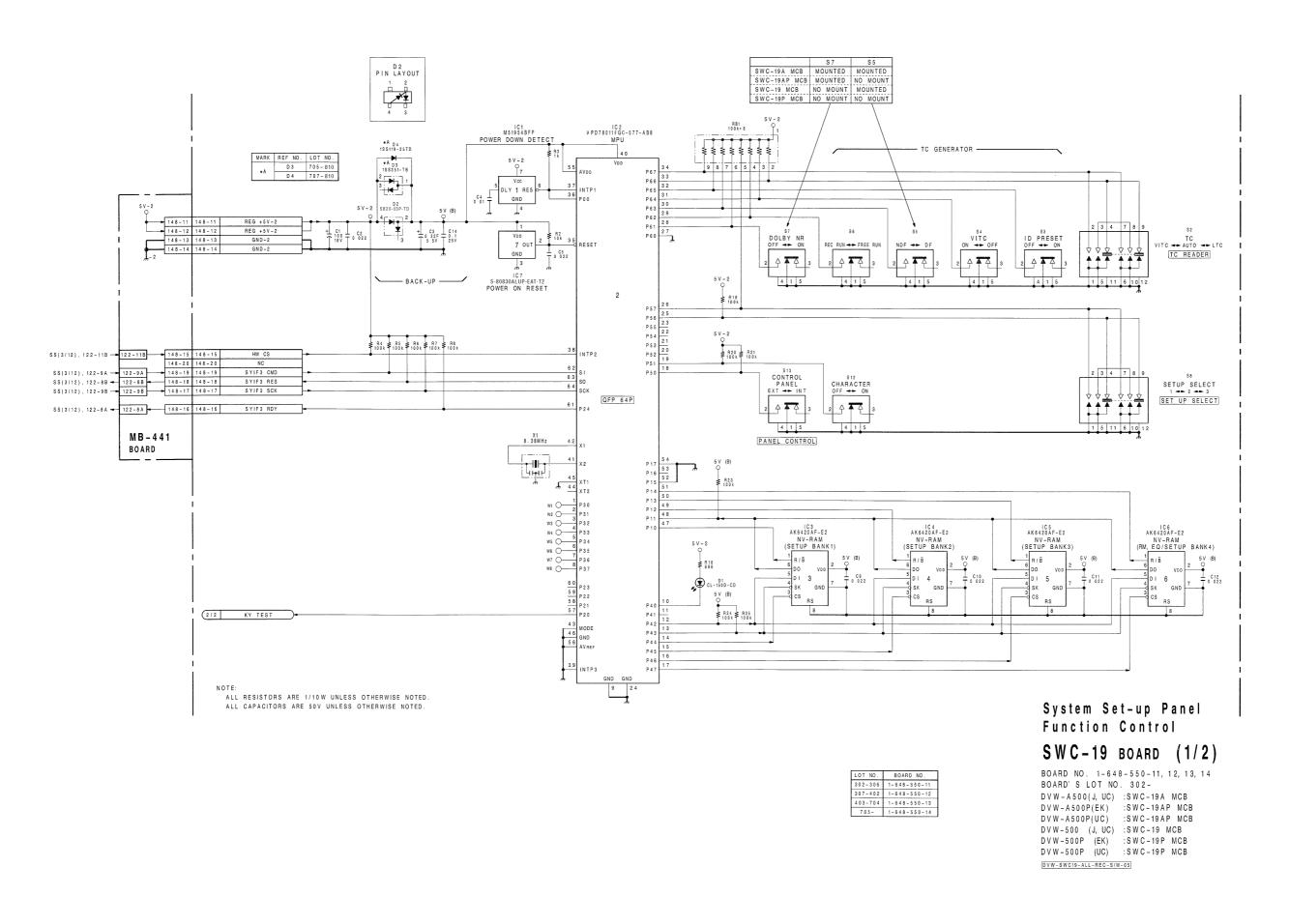


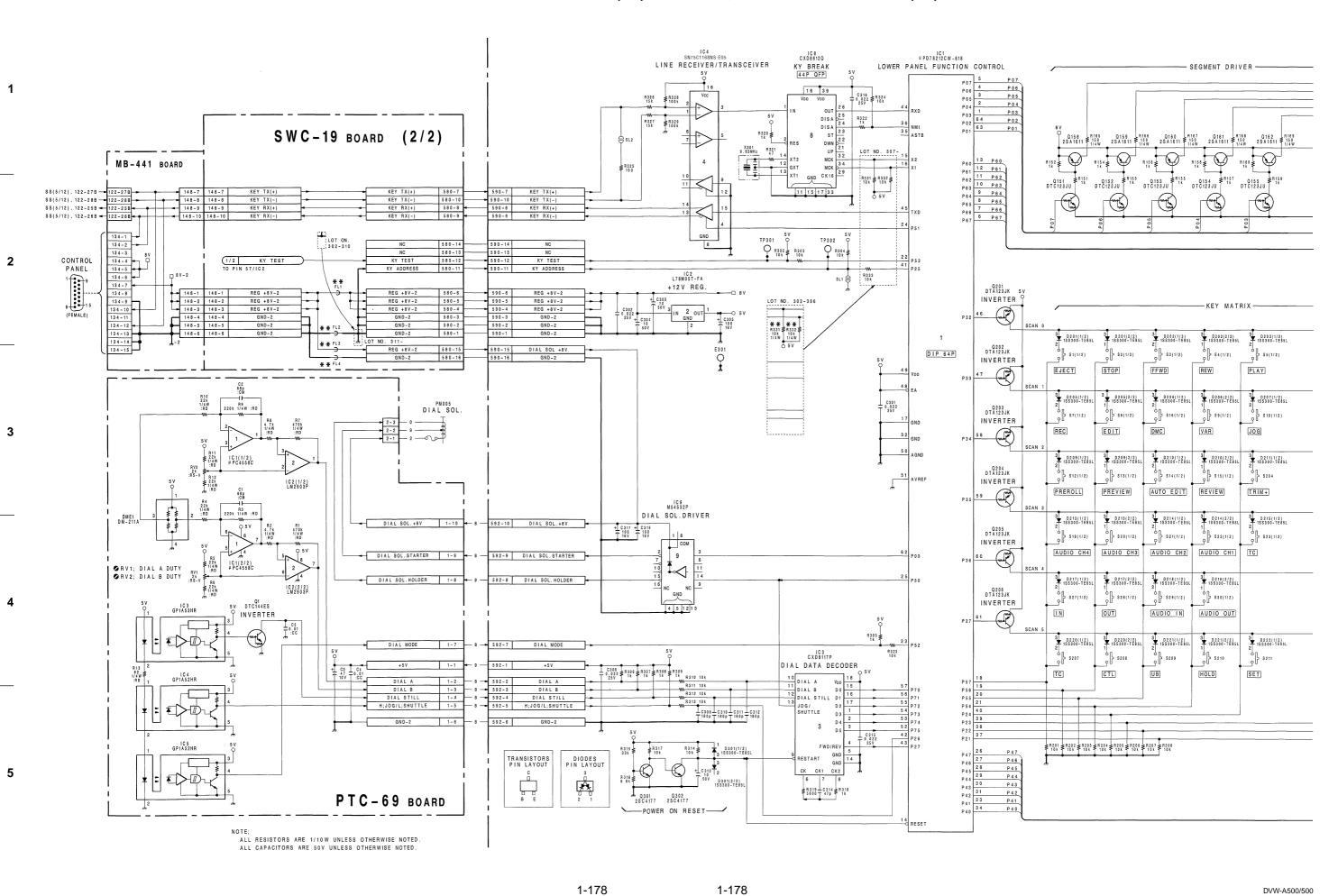
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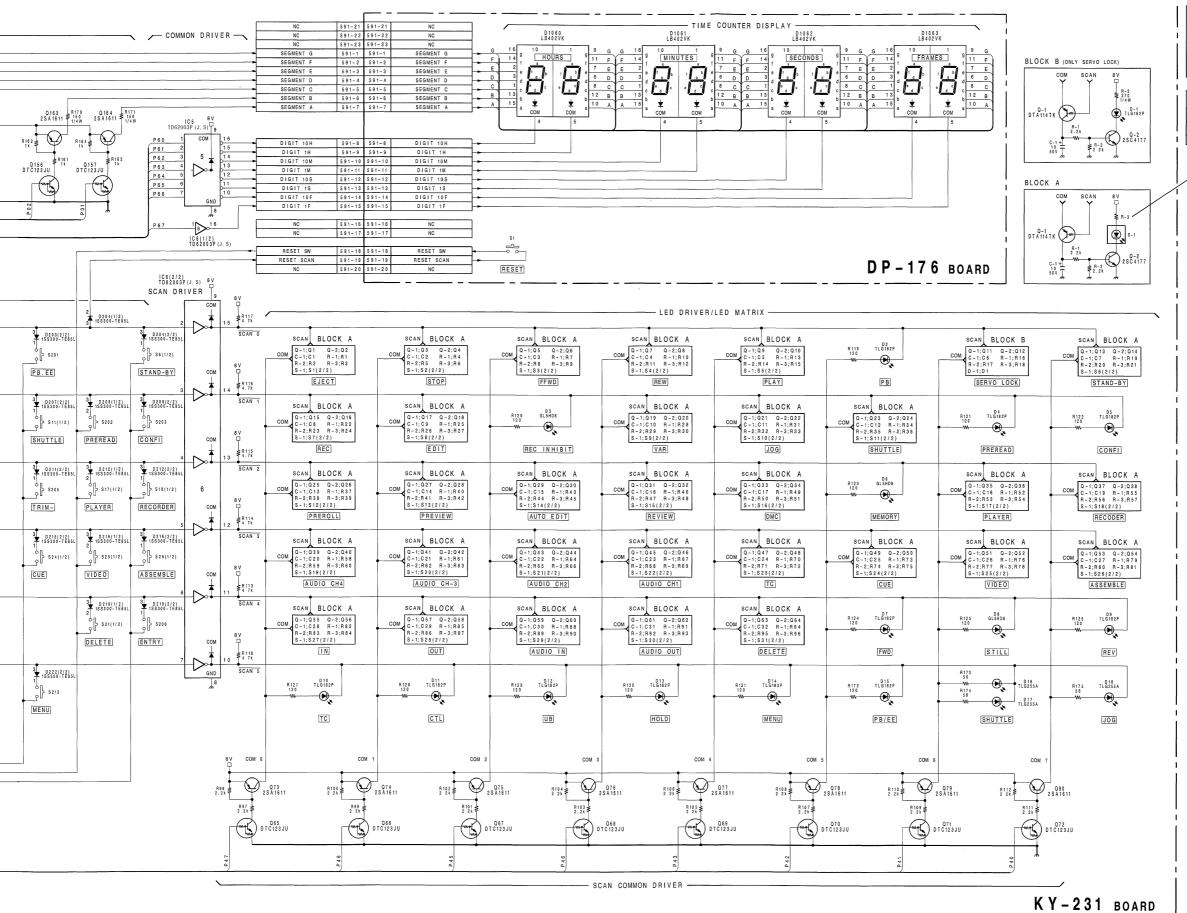
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DVW-A500/500

The Ref. Nos. marked with ** on the schematic diagram in this page are not printed on the printed circuit boards (of the following board No.) with silk screen.

KY-231 BOARD : 1-648-546-11 SWC-19 BOARD : 1-648-550-11

i		BOARD NO.				
1	LOT NO.	KY-231	DP-176	SWC-19		
-	302-306	1-648-546-11	1-648-547-11	1-648-550-11		
	307-402	1-648-546-12	1-648-547-12	1-648-550-12		
ı	403-704	1-648-546-13	1-648-547-12	1-648-550-13		
- 1	705-	1-648-546-13	1-648-547-12	1-648-550-14		

	REF NO	LOT	NO.
•	ner NU	302-402	403-
	R3, 6	120	270 1/4W
	R9, 12, R15, 21	120	330 1/4W
	R 2 4	220 1/4W	270 1/4W
	R 2 7	120	330 1/4W
	R30, 33, R36	180 1/4W	390 1/4W
	R39, 42	120	330 1/4W
	R 4 5	220 1/4W	270 1/4W
	R48	120	330 1/4W
	R51, 54, R57, 60, R63, 66, R69, 72, R75, 78, R81, 84, R87, 90, R93, 96	180 1/4W	390 1/4W

Time Counter Display DP-176 BOARD

BOARD NO. 1-648-547-11, 12
BOARD'S LOT NO. 302DVW-A500(J, UC) :DP-176 MCB
DVW-A500P(EK) :DP-176 MCB
DVW-A500P(UC) :DP-176 MCB
DVW-5000 (J, UC) :DP-176 MCB
DVW-500P (EK) :DP-176 MCB
DVW-500P (UC) :DP-176 MCB

Jog/Shuttle Dial Sensor PTC-69 BOARD

BOARD NO. 1-648-568-11, 12 ALL DVWs :PTC-69 MCB

Connection

SWC-19 BOARD (2/2)

BOARD NO. 1-648-550-11, 12, 13, 14
BOARD'S LOT NO. 302DVW-A500(J, UC):SWC-19A MCB
DVW-A500P(EK):SWC-19AP MCB
DVW-A500P(UC):SWC-19AP MCB
DVW-500 (J, UC):SWC-19 MCB
DVW-500P (EK):SWC-19P MCB
DVW-500P (UC):SWC-19P MCB

Lower Panel Control KY-231 BOARD

BOARD NO. 1-648-546-11, 12, 13
BOARD'S LOT NO. 302DVW-A500(J, UC): KY-231 MCB
DVW-A500P(EK): KY-231 MCB
DVW-A500P(UC): KY-231 MCB
DVW-500 (J, UC): KY-231 MCB
DVW-500P (EK): KY-231 MCB
DVW-500P (EK): KY-231 MCB

DVW-KY231-ALL-REC-S/M-05

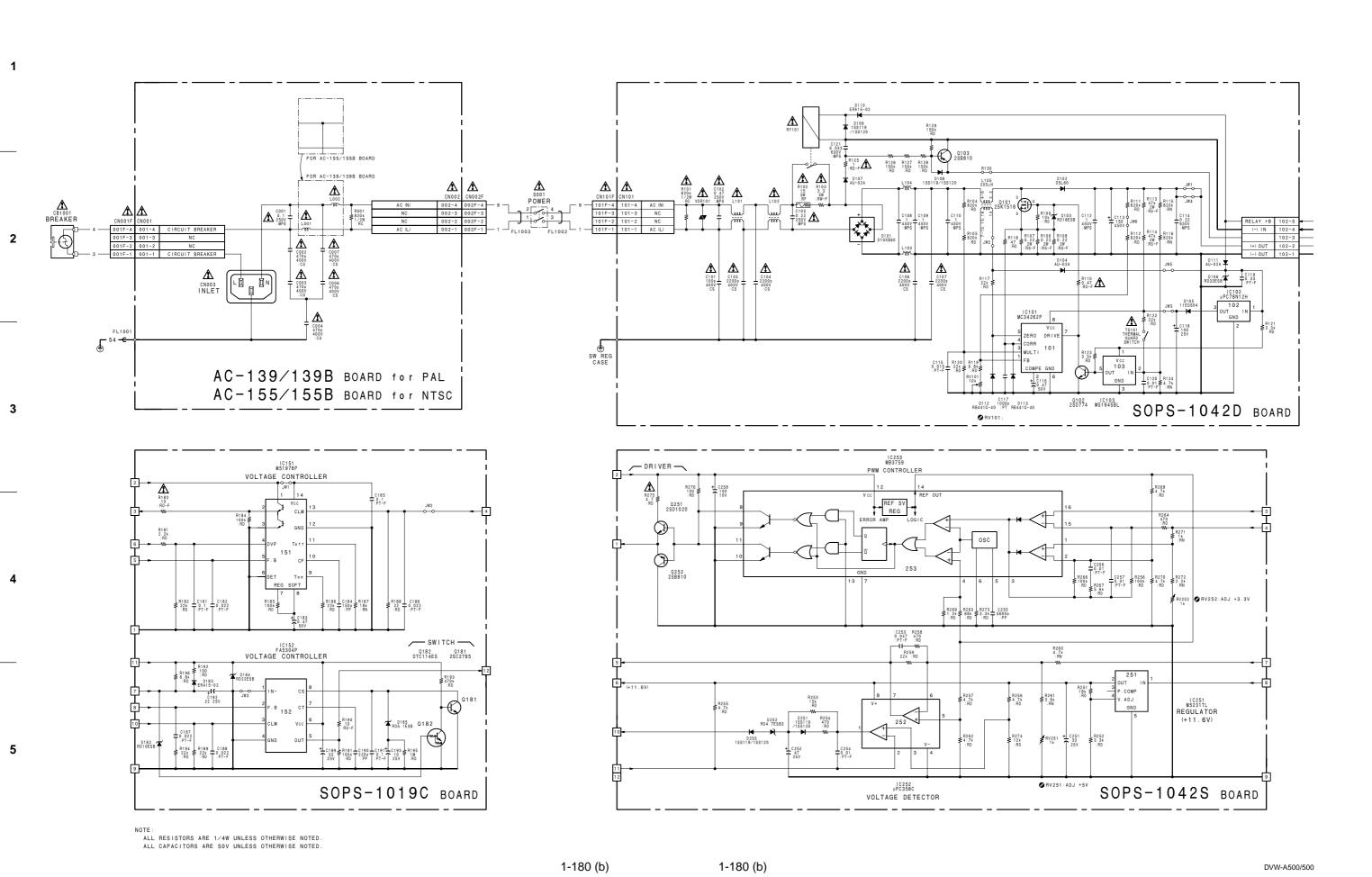
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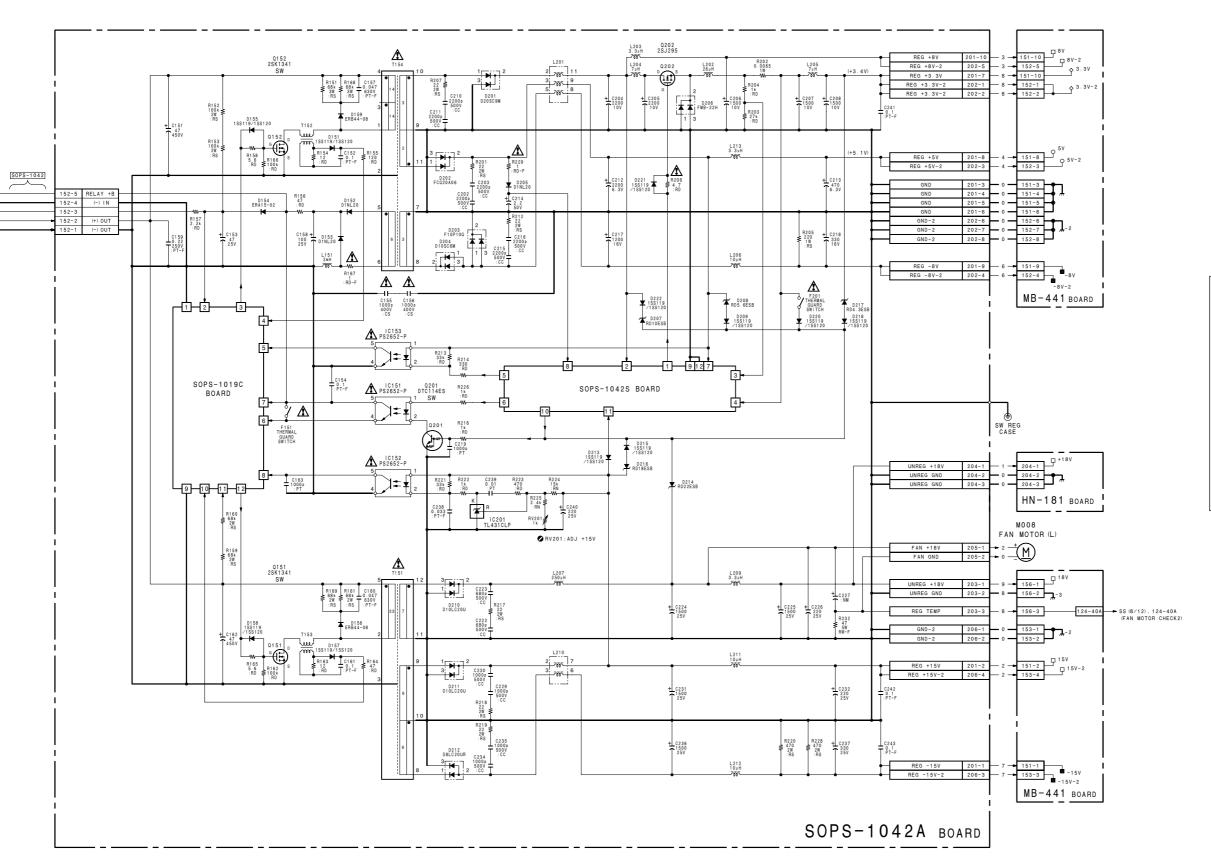
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Switching Regulater SOPS-1042 (A)

DVW ALL MODELS

SOPS-1019C BOARD

SOPS-1042A BOARD

BOARD NO. 1-648-404-11

SOPS-1042D BOARD

BOARD NO. 1-656-244-11, 12

SOPS-1042S BOARD

BOARD NO. 1-648-406-11

AC Connector Board, With Breaker AC-139/139B BOARD

BOARD NO. 1-648-557-11/21
BOARD'S LOT NO. 302DVW-A500P (EK) : AC-139 MCB
DVW-A500P (UC) : AC-139 MCB
DVW-500P (EK) : AC-139 MCB
DVW-500P (UC) : AC-139 MCB
DVW-500P (UC) : AC-139 MCB
DVW-A510P (EK) : AC-139B MCB
DVW-CA510P (EK) : AC-139B MCB
BVW-CA510P (EK) : AC-139B MCB
Repair for AC-139B MCB is AC-139 MCB

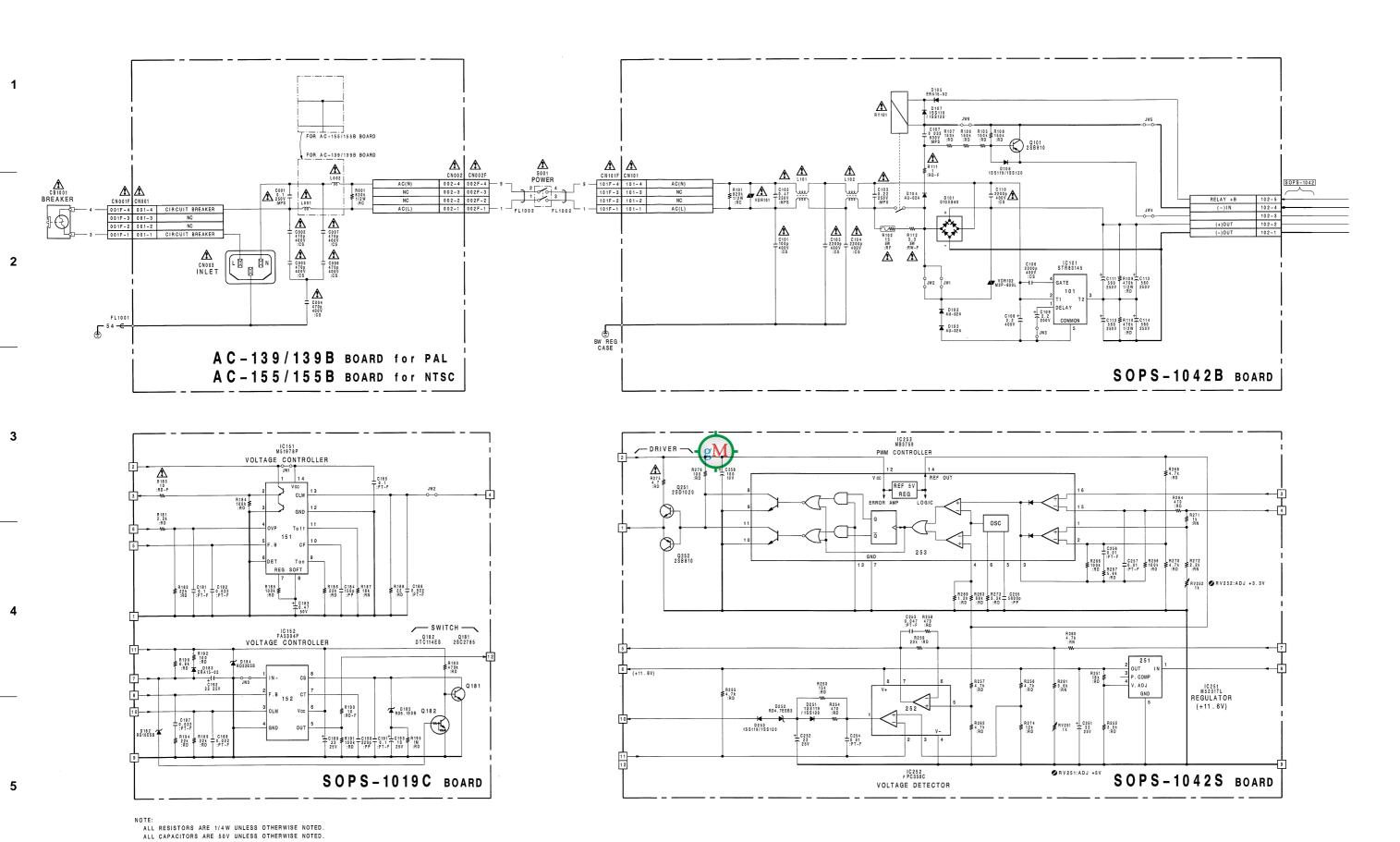
AC Connector Board, With Breaker AC-155/155B BOARD

BOARD NO. 1-648-887-11/21 BOARD'S LOT NO. 302-DVW-A500 (J, UC) : AC-155 MCB DVW-500 (J, UC) : AC-155 MCB DVW-A510 (J, UC) : AC-155B MCB DVW-510 (J, UC) : AC-155B MCB DVW-CA510 (J, UC) : AC-155B MCB BOVW-CA510 (J, UC) : AC-155B MCB

DVW-SOPS1042-ALL-ALL-S/M-04-B

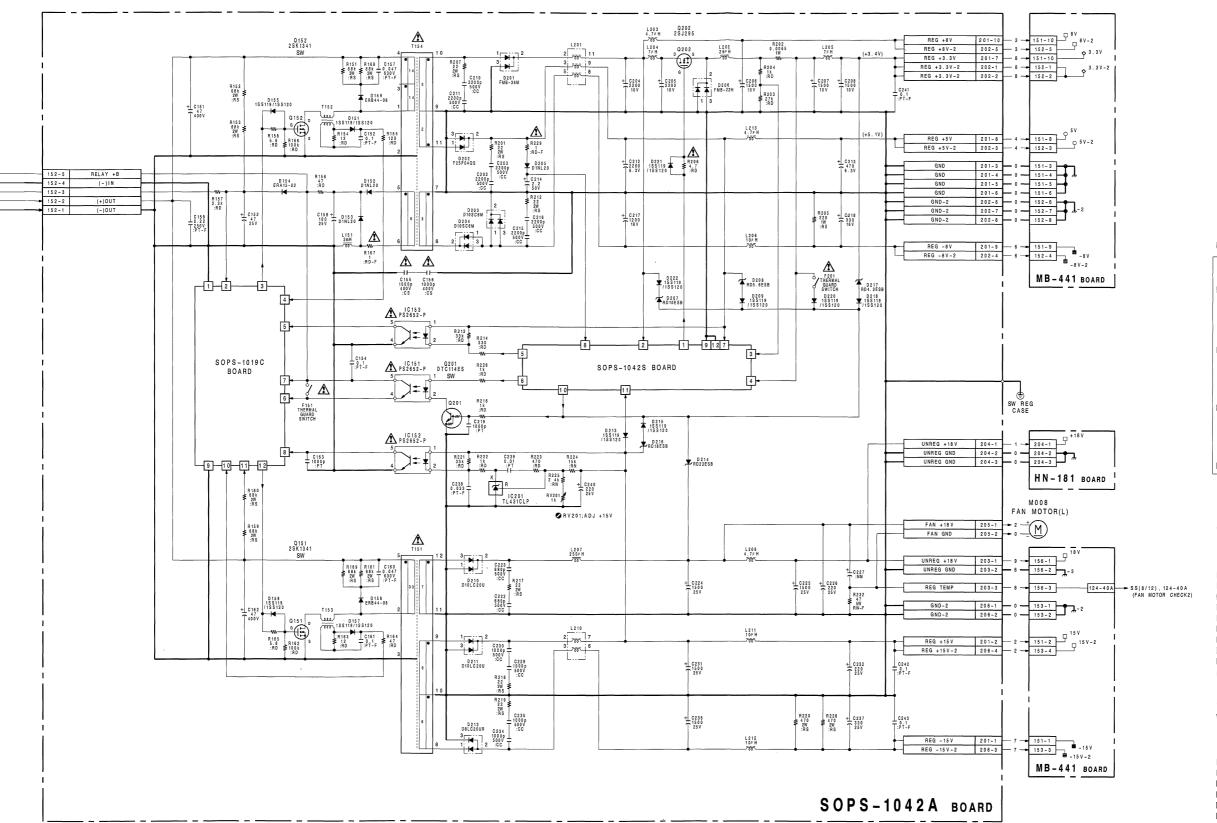
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1-180 (a) 1-180 (a) DVW-A500/500 F G H



Switching Regurater SOPS-1042

DVW ALL MODELS

SOPS-1019C
BOARD NO. 1-640-835-11

SOPS-1042A
BOARD NO. 1-648-404-11

SOPS-1042B
BOARD NO. 1-648-405-11

SOPS-1042S
BOARD NO. 1-648-406-11

AC Connector Board with Breaker

AC-139/139B BOARD

BOARD NO. 1-648-557-11/21
BOARD'S LOT NO. 302DVW-A500P (EK) :AC-139 MCB
DVW-A500P (UC) :AC-139 MCB
DVW-500P (EK) :AC-139 MCB
DVW-500P (UC) :AC-139 MCB
DVW-510P (EK) :AC-139 MCB
DVW-A510P (EK) :AC-139 MCB
DVW-510P (EK) :AC-139 MCB
DVW-CA510P(EK) :AC-139 MCB
Repair for AC-139 MCB is AC-139 MCB

AC Connector Board with Breaker

AC-155/155B BOARD

BOARD NO. 1-648-887-11/21
BOARD'S LOT NO. 302DVW-A500 (J, UC) :AC-155 MCB
DVW-500 (J, UC) :AC-155 MCB
DVW-A510 (J, UC) :AC-155 MCB
DVW-510 (J, UC) :AC-155B MCB
DVW-510 (J, UC) :AC-155B MCB
DVW-CA510(J, UC) :AC-155B MCB

DVW-S0PS1042-ALL-ALL-S/M-04-A

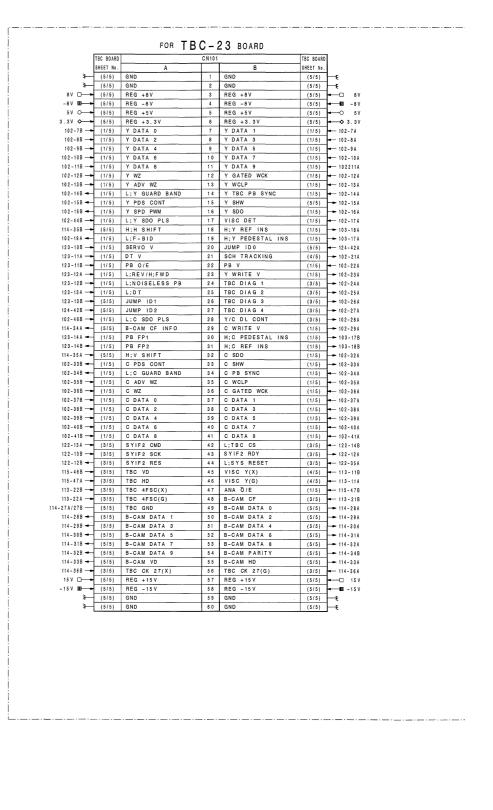
MB-441 SHEET No.	BOARD REF. No.	CONNE	ECTION	\neg
OHEET NO.	CN100	DEC-65	BKDW-505/506	\dashv
	CN101	TBC-23		\dashv
(1/6)	CN102	TBC-24	DVW-A500/A500F	P
(,, ,	CN103	DM-89	ONLY	- 1
	CN103	AP-28	(MB-441A MCB)	- 1
-			A / 4	-1
	CN105	CUE-1AP/1	A / I	\dashv
(2/6)	C N 1 0 6	EQ-45A/45		-
	C N 110	DIF-16		
	C N 112			
	C N 113			1
(3/6)	C N 114	VPR-1		
	C N 115			
	C N 116			- 1
(4/6)	C N 117	DPR-36		
}	CN118			ı
	C N 119			
(5/6)	CN120	APR-1		
, ,	CN121			ı
	CN122			\neg
	CN123	SS-52A/52		- 1
(6/6)	CN123	33-32K/32		
	CN124	RS232C CO	NNECTOR	\dashv
(5/6)	CN130 CN131		TROL CONNECTOR	\dashv
(5/6)				-
	CN132		IN(9P) CONNECTO	
(6/6)	CN133		OUT(9P) CONNECT	UH
	C N 134	CONTROL P	ANEL CONNECTOR	
(3/6)	CN135	CP-218	(CN4	
	CN136		(CN4	
(5/6)	CN137	CP-220	(CN4	
(1/6)	CN138	CP-218	(CN4	114)
(1/0)	CN139	07-210	(CN4	115)
(2/6)	CN140		(CN4	02)
	CN142	۱	(CN4	100)
l	CN143	CP-220	(CN4	101)
(5/6)	CN144		(CN4	
' '	CN145	VR-152	(CN5	
	CN147	FP-58	(CN5	

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	DEC BOARD		CN100		DEC BOARD	1
	SHEET No.	A	-	В	SHEET No.	
3— 3—	(1/2)	GND	1 2	GND GND	(1/2)	
8V D	(1/2)	REG +8V	3	REG +8V	(1/2)	8V
-8V m	(1/2)	REG -8V	4	REG -8V	(1/2)	BB -8V
5 V O——►	(1/2)	REG +5V	5	REG +5V	(1/2)	- 0 5 ∨
3.3V 🗢 🗢	(1/2)	REG +3.3V	6 7	REG +3.3V NC	(1/2)	◇ 3.3V
	(1/2)	NC NC	1 8	NC NC	(1/2)	1
	(1/2)	NC	9	NC	(1/2)	1
138-1	(1/2)	INPUT VIDEO(G)	10	INPUT VIDEO(X)	(1/2)	138-2
	(1/2)	NC	11	NC	(1/2)	
139-1 -	(1/2)	GND EVB CONT 1	12	GND NC	(1/2)	-
139-2	(1/2)	EVB CONT 2	14	DEC PLL LOCK	(2/2)	► 114-23B
139-3	(1/2)	Y DEC(X)	15	NC	(1/2)	1
139-4	(1/2)	Y DEC(G)	16	NC	(1/2)]
139-5 —	(1/2)	R-Y DEC(X)	17	NC	(1/2)]
139-6	(1/2)	R-Y DEC(G)	18	NC	(1/2)	-
139-7 → 139-8 →	(1/2)	B-Y DEC(X) B-Y DEC(G)	19	NC NC	(1/2)	1
139-0	(1/2)	GND	21	GND	(1/2)	-
114 - 188	(1/2)	L;POWER ON RESET	22	NC	(1/2)	1 `
	(1/2)	NC	23	NC	(1/2)]
110-11A	(1/2)	DIF DEC JP0	2 4	DIF DEC JP1	(1/2)	110-11B
110-12A	(1/2)	DIF DEC JP2	2.5	NC D2 DATA 1	(1/2)	
110-1A 110-2A -	(2/2)	D2 DATA 0 D2 DATA 2	26	D2 DATA 1 D2 DATA 3	(2/2)	110-1B 110-2B
110-3A	(2/2)	D2 DATA 4	28	D2 DATA 5	(2/2)	- 110-28 - 110-38
110-4A	(2/2)	D2 DATA 6	29	D2 DATA 7	(2/2)	110 - 4B
110-5A -	(2/2)	D2 DATA 8	3.0	D2 DATA 9	(2/2)	110-5B
110 - 7 A	(2/2)	D2 CF0	31	D2 CF1	(2/2)	110 - 7 B
110-8A	(2/2)	D2 CF2	32	D2 PARITY D2 GND	(2/2)	110-8B
00-33B, 110-9A/9B — 110-10B —	(2/2)	D2 CK(G)	3 4	D2 GK(X)	(2/2)	100-33A, 110-10A
110-100	(1/2)	NC NC	35	NC NC	(1/2)	110-100
114-17 A	(1/2)	DEC EVR DATA	3.6	DEC EVR CK	(1/2)	114-17B
114-18A	(1/2)	C 100/75	37	NC	(1/2)]
	(1/2)	NC	3.8	NC	(1/2)	
114-19A —= 114-20A —=	(1/2)	MODE DATA DD START	3 9	STATUS DATA DD SCK	(2/2)	114-19B
114-20A —	(1/2)	DEC LOAD	41	DEC DO	(1/2)	114-20B
	(1/2)	NC	42	NC	(1/2)	1
114-144 🖚	(2/2)	FR RST	43	CF RST	(2/2)	► 114-14B
114-15A -	(2/2)	EXT 4FSC(G)	44	EXT 4FSC(X)	(2/2)	► 114-15B
00-46B, 114-5A/5B	(1/2)	NC DEC GND	45	NC DEC GND	(1/2)	100-46A
114-6A -	(2/2)	DEC DATA 0	47	DEC DATA 1	(2/2)	114-68
114-7A 🗢	(2/2)	DEC DATA 2	4.8	DEC DATA 3	(2/2)	→ 114-7B
114-8A 	(2/2)	DEC DATA 4	49	DEC DATA 5	(2/2)	→ 114-8B
114-9A 	(2/2)	DEC DATA 6	5.0	DEC DATA 7	(2/2)	→ 114-9B
114-10A -	(2/2)	DEC DATA 8	51	DEC DATA 9	(2/2)	114-108
114-11A → 114-12A →	(2/2)	DEC HD	52	DEC VD DEC PARITY	(2/2)	→ 114 - 11B → 114 - 12B
114-13A -	(2/2)	DEC CK(G)	5.4	DEC CK(X)	(2/2)	- 114-12B
	(1/2)	NC	5.5	NC	(1/2)	1
	(1/2)	NC	5 6	NC	(1/2)]
15 V 🗀 🖚	(1/2)	REG +15 V	57	REG +15 V	(1/2)	- O 15 V
-15 V 🕮 -	(1/2)	REG -15 V	58	REG ~15 V	(1/2)	-15 V
	(1/2)	GND	60	GND	(1/2)	ļ.
100	0-10B ← →	INPUT VIDEO(G) INPUT VIDEO(X) GND	C N 13 8	8 CP-218, 414	- 3	
		REG -8V	4	8	- 4	
		REG +8V	5 CN139	9 CP-218, 415	-1	
10 6	0-14A -	EVB CONT 2	2	8 CP-218, 415	- 2	
		Y DEC(X)	3	- 9 - CP-218, 415	- 3	
		Y DEC(G)	4			
		R-Y DEC(X)	5	- 9 - CP-218, 415	- 5	
		B-Y DEC(X)	7	- 9 CP-218, 415	7	
10.0)-19A -	1 D-1 DEU(A)				



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DVW-A500/500

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(CN201)

(CN201)

SWITCHING REGULATOR (CN202)

CN153 (CN206)
CN154 HN-181 (CN205)
CN155 NO CONNECTION
CN156 SWITCHING REGULATOR (CN203)

CN149 HN-181 CN150 FAN MOTOR(R)

CN160 CN161 OF MB-441 CN161 CN160 OF MB-441

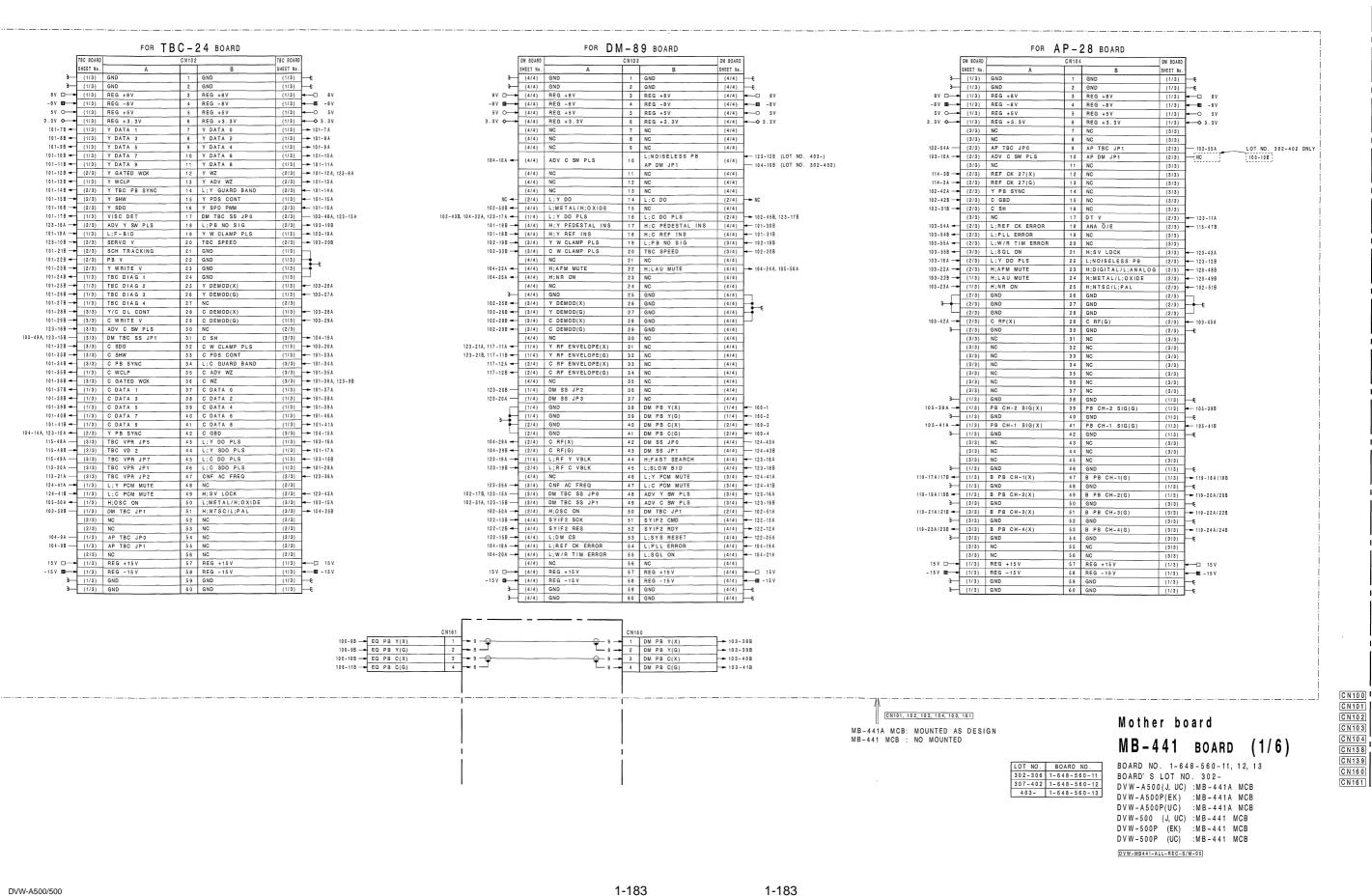
CN152

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C N 1 3 9 CN160 CN161

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MB-441	BOARD	CONNE	CTION					
SHEET No.	REF. No.	CONNE	CITON					
	CN100	DEC-65	BKDW-505/506					
(1/6)	CN101	TBC-23	DVW-A500/A500P					
	CN102	TBC-24	ONLY					
	CN103	DM-89						
	C N 10 4	AP-28	(MB-441A MCB)					
	CN105	CUE-1AP/1A	//1					
(2/6)	CN106	EQ-45A/45						
(210)	CN110	DIF-16						
	C N 112	DIF-10						
	C N 113							
(3/6)	C N 114	VPR-1						
	C N 115							
	CN 116							
(4/6)	C N 117	DPR-36						
	C N 118							
	C N 119							
(5/6)	CN120	APR-1						
	CN121							
	CN122							
(6/6)	CN123	SS-52A/52						
(070)	C N 124							
	CN130	RS232C CON	NECTOR					
(5/6)	CN131	VIDEO CONT	TROL CONNECTOR					
	CN132	REMOTE 1 I	N(9P) CONNECTOR					
(6/6)	CN133	REMOTE 1 C	OUT(9P) CONNECTOR					
	CN134	CONTROL PA	NEL CONNECTOR					
(3/6)	CN135	CP-218	(CN412					
(370)	CN136	GF-210	(CN413					
(5/6)	CN137	CP-220	(CN404					
(1/6)	CN138	CP-218	(CN414					
(170)	CN139	UF-210	(CN415					
(2/6)	CN140		(CN402					
	CN142	CP-220	(CN400					
	CN143	0,-220	(CN401					
(5/6)	CN144		(CN403					
	CN145	VR-152	(CN512					
	CN147	FP-58	(CN500					
	CN148	SWC-19	(CN148					
	CN149	HN-181	(CN201					
	CN150	FAN MOTOR	· /					
	CN151		(CN201					
(6/6)	CN152	SWITCHING	REGULATOR (CN202					
	CN153		(CN206					
	C N 154	HN-181	(CN205					
	CN155	NO CONNEC	TION					
	CN156	SWITCHING	REGULATOR (CN203					
(1/6)	CN160	CN161 OF N	MB-441					
(110)	CN161	CN160 OF 1	/B-441					

FOR CUE-1AP/1A/1 BOARD

			08405	1/(1 / 1/(/ 1 00/		1
	CUE BOARD		CN105	n n	CUE BOARD	
-	SHEET No.	A GND	1	B GND	SHEET No.	
3— 3—	(****)	GND	2	GND	<u> </u>	-E
8V D	(3/4)	REG +8V	3	REG +8V	(3/4)	 € •⊓ 8V
-8V BB	(3/4)	REG -8V	4	REG -8V	(3/4)	- 0 0 V
5V O →	(1/4)	REG +5V	5	REG +5V	(1/4)	
3.3V • •	(3/4)	REG +3.3V	6	REG +3.3V	(3/4)	- ◆ 3.3V
	(3/4)	NC	7	NC	(3/4)	
	(3/4)	NC	8	NC	(3/4)	
	(3/4)	NC	9	NC	(3/4)	i
123-6A	(3/4)	REC LTC	10	PB LTC	(3/4)	- 123-5A
123-5B 	(1/4)	LTC SOURCE	11	NC	(3/4)	1
137-6	(1/4)	EXT LTC IN(X)	12	EXT LTC IN(Y)	(1/4)	- 137−7
137-8	(1/4)	EXT LTC IN(G)	13	EXT LTC IN(G)	(1/4)	- 137−8
	(3/4)	NC	14	NC	(3/4)	
137-9 🖚	(1/4)	EXT LTC OUT(X)	15	EXT LTC OUT(Y)	(1/4)	→ 137-10
137-11 🗢	(1/4)	EXT LTC OUT(G)	16	EXT LTC OUT(G)	(1/4)	→ 137-11
123-6B 	(1/4)	LTC OUT	17	NC	(3/4)]
	(3/4)	NC	18	NC	(3/4)	
120-26A	(2/4)	CUE JP0	19	CUE JP1	(2/4)	120-26B
	(3/4)	NC	20	NC	(3/4)	
	(3/4)	NC	21	NC	(3/4)	
	(3/4)	NC	22	NC	(3/4)	
147-13	(2/4)	CUE PB GAIN	23	CUE REC GAIN	(2/4)	147-14
147-12	(2/4)	CUE GAIN GND	2 4	CUE GAIN GND	(2/4)	147-12
	(3/4)	NC	2.5	NC	(3/4)	
140-1	(1/4)	CUE IN(X)	26	CUE IN(Y)	(1/4)	140-2
140-3	(1/4)	NC NC	2.8	NC IN(G)	(1/4)	140-3
	(1/4)	NC NC	2.9	NC NC	(1/4)	
140-4	(1/4)	CUE OUT(X)	30	CUE OUT(Y)	(1/4)	140-5
140-6 -	(1/4)	CUE OUT(G)	31	CUE OUT(G)	(1/4)	140-6
.,,,	(1/4)	NC NC	32	NC NC	(1/4)	1,100
120-36A 	(2/4)	CUE PEAK SIGNAL	3 3	NC	(1/4)	
	(1/4)	NC	3 4	NC	(1/4)	1
119-40A/40B -	(2/4)	CUE MONITOR(X)	3.5	CUE MONITOR(G)	(2/4)	► 119-41A/41B
	(1/4)	NC	36	NC	(1/4)	1
120-38B	(2/4)	CUE TEST SIG(X)	37	NC	(1/4)	1
	(1/4)	NC	38	NC	(1/4)	
104-39A 🗢	(2/4)	PB CH-2 SIG(X)	3 9	PB CH-2 SIG(G)	(2/4)	► 104-39B
	(1/4)	NC .	4.0	NC	(1/4)]
104-41A 	(2/4)	PB CH-1 SIG(X)	41	PB CH-1 SIG(G)	(2/4)	► 104-41B
	(1/4)	NC	42	NC	(1/4)	
120-50A	(4/4)	L;POWER ON MUTE	4 3	CUE TEST	(3/4)	120-37A
120-38A 	(4/4)	LTC ERASE DET	44		(1/4)	137-5
120-39A ◄ 120-40A ◄	(4/4)	CUE EE DET	4 5	CUE ERASE DET	(4/4)	► 120-39B ► 120-40B
120-40A	(2/4)	L;LTC EQ ON	47	CUE OUT DET	(4/4)	120-40B 120-41B
120-42A	(4/4)	H; CUE ERASE ON	4.8	H;LTC ERASE ON	(4/4)	120-41B
120-43A -	(4/4)	OSC H; OFF/L; ON	4.9	H:FULL ERASE ON	(4/4)	- 120-43B
120-44A	(3/4)	LTC H;PB/L;REC	5.0	H; CUE BIAS ON	(4/4)	- 120-44B
120-45A	(3/4)	H;LTC HPF ON	51	L;LTC EQ NORM	(3/4)	- 120-45B
120-46A	(3/4)	H; CUE REC MUTE	5 2	H;LTC LPF ON	(3/4)	- 120-46B
120-47A	(2/4)	H; CUE PB MUTE	53	CUE H;PB/L;EE	(3/4)	- 120-47B
120-48A	(3/4)	CUE H;PB/L;REC	5 4	H;DIGITAL/L;ANALOG	(3/4)	- 120-48B
120-49A	(2/4)	H;SLOW EQ ON	5 5	H;METAL/L;OXIDE	(3/4)	120-49B
103-22B	(2/4)	H;LAU MUTE	5 6	H; AUDIO ATT ON	(2/4)	120-50B
15 ₹ □	(1/4)	REG +15 V	57	REG +15 V	(1/4)	→ □ 15 V
-15 V III	(1/4)	REG -15 V	5.8	REG -15 V	(1/4)	
3 —	(1/4)	GND	5 9	GND	(1/4)	- €
3 —	(1/4)	GND	6.0	GND	(1/4)	 E

FOR EQ-45A/45 BOARD

	50 00400		011400		50.00100	1
	EQ BOARD SHEET No.		CN106	B	EQ BOARD SHEET No.	
3	(1/6)	A GND	1	GND	(1/6)	
3—		GND				<u> </u>
8V	(1/6)	REG +8V	2	GND REG +8V	(1/6)	€ □ 8V
-8V MI →	, ,		_	REG -8V	· ·	_
-8 V WI	(1/6)	REG -8V	4	REG +5V	(1/6)	
3.3V O	(1/6)	REG +5V			(1/6)	1
3.3V ♥ ■	(1/6)	REG +3.3V L;SYSTEM EE1	6	REG +3.3V	(1/6)	→ 3 3V
106-10A/7B	(1/6)	(A)GND	7 8	(A)GND EQ PB Y(X)	(1/6)	106-8A/10A 161-1
122-38B	(1/6)	L;SYSTEM EE2	9		(3/6)	161-2
106-8A/7B	(1/6)	(A)GND	10	EQ PB Y(G) EQ PB C(X)	(3/6)	161-3
122-34B	(1/6)	L;SYS RESET 3.3V	11	EQ PB C(G)	(3/6)	161-4
123-35B	(1/6)	L;FE B EN	12	L;FE A EN	(1/6)	123-35A
123-33B	(1/6)	REC BD SEL	13	REC AC SEL	(1/6)	123-47A
123-30A	(1/6)	EQ SS JP1	14	REC SAT AC	(1/6)	- 123-32A
123-34B	(1/6)	EQ SS JP2	1.5	L;SAT AC EN	(1/6)	- 123-34A
122-40B	(1/6)	H;REV/L;FWD	16	L;FAST SEARCH	(1/6)	- 123-33B
122-18A	(2/6)	EQ STB1	17	SYIF1 SCK	(2/6)	- 122-17B
122-18B	(3/6)	EQ STB2	18	SYIF1 CMD	(2/6)	- 122-17A
122-19A	(4/6)	EQ STB3	19	L;B-CAM SEL	(1/6)	- 122-36B
123-49A	(1/6)	ADV AC SEL	20	H;REC LOCK OUT	(1/6)	- 122-39B
123-49B	(1/6)	ADV BD SEL	21	PB SAT REC AC	(2/6)	→ 123-25B, 117-19 A
123-48A	(1/6)	CNF AC SEL	22	SVCNT ERR	(1/6)	► 122-36A
123-48B	(1/6)	CNF BD SEL	23	PB SAT REC BD	(2/6)	► 123-27B, 117-20A
123-37A —	(5/6)	ADV AC FREQ	2 4	PRTY CLR	(1/6)	- 122-38A
123-37B	(5/6)	ADV BD FREQ	2 5	PB SAT ADV AC	(3/6)	→ 123-29B
123-36A —	(6/6)	CNF AC FREQ	26	PRTY ERR	(1/6)	→ 122-37A
123-36B	(6/6)	CNF BD FREQ	27	PB SAT ADV BD	(3/6)	→ 123-31B
116-37B 	(1/6)	EQ DPR JP0	28	ADV AC ENV	(3/6)	► 123-22A, 117-17A
116-38B 	(1/6)	EQ DPR JP1	2 9	ADV BD ENV	(3/6)	► 123-22B, 117-17B
	(1/6)	NC	3 0	CNF AC ENV	(4/6)	► 117-16 A
	(1/6)	NC	31	CNF BD ENV	(4/6)	► 117 - 16B
122-3B, 117-7B -	(5/6)	METRIC ADV BD	3 2	METRIC ADV AC	(5/6)	► 122-4B, 117-7A
122-5B, 117-8B -	(6/6)	METRIC CNF BD	3 3	METRIC CNF AC	(6/6)	► 122-6B, 117-8A
123-23A 	(1/6)	SAT CK(G)	3 4	SAT CK(X)	(1/6)	► 123-23B
116-15A 	(1/6)	REC CK(G)	3.5	REC CK(X)	(1/6)	→ 116 - 15B
116-16A →	(1/6)	L;PRCD OFF REC AC D1	3.6	REC PRTY	(1/6)	116-16B
	(1/6)		3 7	REC AC DO	(1/6)	- 116-17 A
116-18B	(1/6)	REC AC D3 REC BD D1	38	REC AC D2	(1/6)	116-18 A
116 - 19 B → 116 - 20 B →	(1/6)	REC BD D1	40	REC BD D0	(1/6)	116-19 A 116-20 A
116-21A	(1/6)	L;REC C EN	41	L;REC A EN	(1/6)	- 116-20A - 116-21B
116-21A	(1/6)	L;REC D EN	42	L;REC A EN		116-21B
116-22N →	(1/6)	ADV AC D1	42	ADV AC DO	(1/6)	→ 116-22B → 116-23A
116-24B ◄	(1/6)	ADV AC DI	4.4	ADV AC DO	(1/6)	→ 116-23A
116-24B ▼	(1/6)	ADV AC DS	4.5	ADV AC DZ	(1/6)	116-24A
116-26A -	(1/6)	ADV BD PRTY	46	ADV AC CR(X)	(1/6)	→ 116-26B
116-27B ◄	(1/6)	ADV BD D1	47	ADV BD DO	(1/6)	→ 116-27A
116-28B 	(1/6)	ADV BD D3	48	ADV BD D2	(1/6)	→ 116-28A
116-29A -	(1/6)	ADV BD CK(G)	49	ADV BD CK(X)	(1/6)	→ 116-29B
116-30B -	(1/6)	CNF AC D1	50	CNF AC DO	(1/6)	→ 116-30A
116-31B ◄	(1/6)	CNF AC D3	51	CNF AC D2	(1/6)	→ 116-31A
116-32A -	(1/6)	CNF AC CK(G)	52	CNF AC CK(X)	(1/6)	► 116 - 32B
116-33A 🖚	(1/6)	CNF BD PRTY	5 3	CNF AC PRTY	(1/6)	► 116 - 33B
116-34B 	(1/6)	CNF BD D1	5 4	CNF BD D0	(1/6)	► 116-34A
116-35B ◄	(1/6)	CNF BD D3	5 5	CNF BD D2	(1/6)	► 116-35A
116-36A 🖚	(1/6)	CNF BD CK(G)	5 6	CNF BD CK(X)	(1/6)	→ 116-36B
15 V □	(1/6)	REG +15 V	5 7	REG +15 V	(1/6)	- □ 15 V
-15V ⊞ ►	(1/6)	REG -15 V	58	REG -15 V	(1/6)	
3-	(1/6)	GND	5 9	GND	(1/6)	⊢ €
3	(1/6)	GND	60	GND	(1/6)	 €

1-184

1-184

DVW-A500/500

В

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		FOR DIF	<u></u> - ·	16 BOARD		
	DIF BOARD		CN110		DIF BOARD	
	SHEET No.	A		В	SHEET No.	
. 100-26A →	(4/5)	D2 DATA 0	1	D2 DATA 1	(4/5)	→ 100-26B
100-27A -	(4/5)	D2 DATA 2	2	D2 DATA 3	(4/5)	→ 100-27B
100-28A 🖚	(4/5)	D2 DATA 4	3	D2 DATA 5	(4/5)	→ 100-28B
100-29A 🖚	(4/5)	D2 DATA 6	4	D2 DATA 7	(4/5)	→ 100-29B
100-30A -	(4/5)	D2 DATA 8	5	D2 DATA 9	(4/5)	► 100-30B
	(3/5)	NC	6	NC	(3/5)	
100-31A ◄	(4/5)	D2 CF0	7	D2 CF1	(4/5)	→ 100-31B
100-32A ◀	(4/5)	D2 CF2	8	D2 PARITY	(4/5)	→ 100-32B
100-33A/33B, 110-9B	(4/5)	D 2 GND	9	D2 GND	(4/5)	- 100-33A/33B, 110-9A
100-34B ◄	(4/5)	D2 CK(X)	10	D2 CK(G)	(4/5)	→ 100-34A
100-24A	(4/5)	DIF DEC JP0	11	DIF DEC JP1	(4/5)	100-24B
100-25A	(4/5)	DIF DEC JP2	12	DIF SS 4FSC(X)	(1/5)	122-34A
	(3/5)	NC	13	DIF SS 4FSC(G)	(1/5)	122-33B
113-24A -	(4/5)	D1 DATA 0	14	D1 DATA 1	(4/5)	→ 113-24B
113-25A -	(4/5)	D1 DATA 2	15	D1 DATA 3	(4/5)	→ 113-25B
113-26A 🖚	(4/5)	D1 DATA 4	16	D1 DATA 5	(4/5)	→ 113-26B
113 - 27 A ◀	(4/5)	D1 DATA 6	17	D1 DATA 7	(4/5)	→ 113-27B
113 - 28A 🗢	(4/5)	D1 DATA 8	18	D1 DATA 9	(4/5)	→ 113 - 28B
113-29A 🕶	.(4/5)	D1 HD	19	D1 VD	(4/5)	→ 113-29B
113 - 3 0 A 🖚	(4/5)	D1 CF0	20	D1 CF1	(4/5)	→ 113-30B
113-31A -	(4/5)	D1 CF2	21	D1 PARITY	(4/5)	→ 113 - 31B
114-24A 	(4/5)	CRCC	22	CSIT/COMP	(4/5)	→ 114-25B
113 - 32 B 🗢	(4/5)	D1 CK(X)	23	D1 CK(G)	(4/5)	→ 113-32A
110 - 24B, 113 - 42A/42B	(4/5)	DIF GND 2	2 4	DIF GND 2	(4/5)	110-24A, 113-42A/42B
113 - 3 4 A	(1/5)	D1/D2 DATA 0	2 5	D1/D2 DATA 1	(1/5)	- 113-34B
113 - 3 5 A	(1/5)	D1/D2 DATA 2	26	D1/D2 DATA 3	(1/5)	- 113-35B
113-36A	(1/5)	D1/D2 DATA 4	27	D1/D2 DATA 5	(1/5)	113-36B
113 - 37 A →	(1/5)	D1/D2 DATA 6	28	D1/D2 DATA 7		→ 113-37B
113-38A	(1/5)	D1/D2 DATA 8	29	D1/D2 DATA 9	(1/5)	- 113-38B
113-39A	(1/5)	D1/D2 HD	30	NC	(3/5)	
113-39B →	(1/5)	D1/D2 CF0	31	D1 CF INFO/D2 CF1		- 113-40A
113 - 40B	(1/5)	D1/D2 CF2	32	D1/D2 PARITY	(1/5)	- 113 - 41B
113 - 41A	(1/5)	D1 DLY P/D2 SYNC	33	NC	(3/5)	
110 - 34B, 113 - 33A/33B	(1/5)	DIF GND 1	3 4	DIF GND 1	(1/5)	- 110-34A, 113-33A/33B
113 - 43 B →	(1/5)	DIF 4FSC(X)	3 5	DIF 4FSC(G)	(1/5)	- 113-43A
NC -	(1/5)	ENC1 VCO OUT	36	DEC CK CONT	(4/5)	- NC
114-2B	(1/5)	DIF CK 27(X)	3 7	DIF CK 27(G)	-	114-2A
NC -	(2/5)	ENC2 VCO OUT	3.8	NC	(3/5)	
114-23A →	(4/5)	DIF SIG FLAG	3 9	DIF VPR JP2	(3/5)	114 - 2 4 B
117 - 5 A	(3/5)	DPR DIF JP0	40	DPR DIF JP1	(3/5)	117-5B
117 - 6 A	(3/5)	DPR DIF JP2	41	NC	(3/5)	
114-25A		DIF EVR DATA	42	DIF EVR CK		114 - 2 6 B
114-26A	(3/5)	L;DIF EVR RESET	43	NC	(3/5)	
15 V − 2 □ • •	(3/5)	REG +15 V -2	44	REG +15 V - 2	(3/5)	15V-2
45 1/ 0 27 - :	(3/5)	REG +15 V -2	4.5	REG +15 V - 2	(3/5)	
-15 V -2 III • -	(3/5)	REG -15 V - 2	46	REG -15 V - 2	(3/5)	-15 V - 2
-	(3/5)	REG -15 V - 2		REG -15 V - 2	(3/5)	
ь Г	(3/5)	GND-2 GND-2	48	GND-2 GND-2	(3/5)	- 5
3-		GND-2 GND-2	50	GND-2	(3/5)	
	(3/5)	UND-2	50	GND-2	(3/3)	

	DIF BOARD		C N 112	-	DIF BOARD	1
	SHEET No.	A	UNTIL	B	SHEET No.	
	(3/5)	GND-2	1	GND-2	(3/5)	L
3	(3/5)	GND-2	2	GND-2	(3/5)	7
3-	(3/5)	GND-2	3	GND-2	(3/5)	∐ ՝
8 V - 2 🗆 🔸	(3/5)	REG +8V-2	4	REG +8V-2	(3/5)	■ ■ □ 8V-2
	(3/5)	REG +8V-2	5	REG +8V-2	(3/5)	
-8V-2 III -	(3/5)	REG -8V-2	6	REG -8V-2	(3/5)	-8V-2
	(3/5)	REG -8V-2	7	REG -8V-2	(3/5)	
5 V - 2 O	(3/5)	REG +5V-2	8	REG +5V-2	(3/5)	5V-2
31-10 L	(3/5)	REG +5V-2	9	REG +5V-2	(3/5)	
3.3V-2 •	(3/5)	REG +3.3V-2	10	REG +3.3V-2	(3/5)	- ◆ ◆ 3.3V-2
	(3/5)	REG +3.3V-2	11	REG +3.3V-2	(3/5)	
Į,	(3/5)	REG +3.3V-2	12	REG +3.3V-2	(3/5)	
Ĺ,	(3/5)	REG +3.3V-2	13	REG +3.3V-2	(3/5)	
114 - 20 B -	<u> </u>	DD SCK	14	DD START	(3/5)	- 114-20A
114 - 19 A	(3/5)	MODE DATA	1.5	STATUS DATA	(3/5)	→ 114-19B
114 - 21A	,,	DIF LOAD	16	DIF DO	(3/5)	→ 114-22A
122-41A	(2/5)	L:DIF CHA CS	17	DIF CHA CK	(2/5)	- 122-41B
122-42A →	<u> </u>	DIF CHA DT	18	S CHARA SIG(X)	(2/5)	- 122-42B
122-43A →	· /	S CHARA FRAME	19	S CHARA SIG(G)	(2/5)	- 122-43B
	(3/5)	NC	20	CHARA FRAME	(3/5)	- 123-2A
122-33A 	(4/5)	DIF SS CSIT/COMP	21	NC	(3/5)	
	(3/5)	NC	22	NC	(3/5)	
	(3/5)	NC	23	NC	(3/5)	1
	(3/5)	NC	24	NC	(3/5)	1
115-28A	(1/5)	DIF AU 128FSO(G)	2.5	DIF AU 128FSO(X)	(1/5)	- 115-28B
_	(3/5)	GND-2	26	GND-2	(3/5)	<u></u>
3, →	(3/5)	NC	27	DIF AU 64FSO	(1/5)	- 115-30A
2	(3/5)	GND-2	28	GND-2	(3/5)	-m-2
	(3/5)	NC	29	DIF AU FSO	(1/5)	115-31A
	(3/5)	NC	3 0	NC	(3/5)	
	(3/5)	NC	31	NC	(3/5)	
	(3/5)	NC	32	NC	(3/5)	
	(3/5)	NC	33	NC	(3/5)	
117 - 4 6 A	(1/5)	SIF T 5/6	3 4	SIF T 7/8	(1/5)	117 - 4 6 B
117-47A 🕶	(5/5)	SIF R 5/6	3 5	SIF R 7/8	(5/5)	→ 117-47B
117-48A 🔫	(5/5)	SIF MUTE 5	36	SIF MUTE 6	(5/5)	► 117 - 48B
117-49A 🔫	(5/5)	SIF MUTE 7	3 7	SIF MUTE 8	(5/5)	→ 117-49B
	(3/5)	NC	38	NC	(3/5)	
118-46A	,,	SIF T 1/2	3 9	SIF T 3/4	(1/5)	- 118-46B
118 - 47 A ◄ -	(5/5)	SIF R 1/2	4 0	SIF R 3/4	(5/5)	→ 118-47B
118-48A ◄ -	,,	SIF MUTE 1	41	SIF MUTE 2	(5/5)	→ 118-48B
118-49A ▼	(5/5)	SIF MUTE 3	42	SIF MUTE 4	(5/5)	► 118-49B
404 455	(3/5)	NC	43	NC	(3/5)	
121-45B →•		SIF DATA 0	44	SIF DATA 1		121-46A
121-46B	<u> </u>	SIF DATA 2	4.5	SIF DATA 3	(3/5)	121-47 A
121-47B		SIF DATA 4	46	SIF DATA 5	(3/5)	121-48A
121-48B ≪•	<u> </u>	SIF DATA 6	47	SIF DATA 7	(3/5)	→ 121-49 A
101 102	(3/5)	NC SIF ALE	4.8	NC	(3/5)	
121-49B →	<u> </u>		49	SIF WR	, ,	121-50 A
	(3/5)	NC	5 0	SIF RD	(3/5)	- 121-50B

FOR DIF-16 BOARD

LOT NO.	BOARD NO.
302-306	1-648-560-11
307-402	1-648-560-12
403-	1-648-560-13

Mother board

MB-441 BOARD (2/6)

BOARD NO. 1-648-560-11, 12, 13 BOARD'S LOT NO. 302-DVW-A500(J, UC) :MB-441A MCB DVW-A500P(EK) :MB-441A MCB DVW-A500P(UC) :MB-441A MCB DVW-500 (J, UC) :MB-441 MCB
DVW-500P (EK) :MB-441 MCB
DVW-500P (UC) :MB-441 MCB
DVW-MB441-ALL-REC-S/M-04)

C N 1 0 6 C N 112 C N 1 4 0

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1-185 1-185 DVW-A500/500

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В

	FOR VPR-1 BOARD		FOR VP	R-1 BOARD		FOR VP	R-1 BOARD	
	VPR BOARD CN113 VPR BOARD	F	YPR BOARD	CN114 VPR BI	nani		CN115	VPR BOARD
	SHEET NO. A B SHEET NO.		SHEET No. A	B SHEET	I	SHEET No. A	В	SHEET No.
41 BOARD CONNECTION	-2 ⁴⁴ (5/7) GND-2 1 GND-2 (5/7)		(7/7) DPR CK 18(G)		7) = 117 - 2B	(5/7) GND-2	1 GND-2	(5/7) ~~
CONNECTION	123-28 - (4/7) CHARA SIG(X) 2 CHARA FRAME (4/7)	- 123-2A 110-37B -	(7/7) DIF CK 27(G)	2 DIF CK 27(X) (7/	7) - 110-37A 3-	(5/7) GND-2	2 GND-2	(5/7)
CN100 DEC-65 BKDW-505/506	-2 ⁴⁴ (5/7) GND-2 3 CHARA SIG(G) (4/7)		(7/7) REF CK 27(G)		7) - 104-12A ~	(5/7) GND-2	3 GND-2	(5/7)
CN101 TBC-23 DVW-A500/A500P	135-14 ← (4/7) OUTPUT B-Y(G) 4 OUTPUT B-Y(X) (4/7) 135-12 ← (4/7) OUTPUT R-Y(G) 5 OUTPUT R-Y(X) (4/7)		(5/7) GND-2 (2/7) DEC GND		7)	(5/7) REG +8V-2 (5/7) REG +8V-2	4 REG +8V-2 5 REG +8V-2	(5/7) 8V-2
CN102 TBC-24 ONLY	135-10 ← (4/7) OUTPUT Y(G) 6 OUTPUT Y(X) (4/7)		(2/7) DEC GND (2/7) DEC DATA 0		7) - 100-46A/46B, 114-5A 7) - 100-47B - 8V-2 100-		6 REG -8V-2	(5/7) - 10 -8V-2
CN103 BW-03 (MB-441A MCB)	-2 ¹² (5/7) GND-2 7 GND-2 (5/7)		(2/7) DEC DATA 2		7) <- 100-48B	(5/7) REG -8V-2	7 REG -8V-2	(5/7)
CN105 CUE-1AP/1A/1	135-8 → (4/7) OUTPUT VIDEO 3(G) 8 OUTPUT VIDEO 3(X) (4/7)		(2/7) DEC DATA 4		7) - 100-49B 5V-2 O-		8 REG +5V-2	(5/7) • • O 5V-2
CN106 EQ-45A/45	135-6 (4/7) OUTPUT VIDEO 1/2(G) 9 OUTPUT VIDEO 1/2(X) (4/7)	- 135-5 100-50A	(2/7) DEC DATA 6	9 DEC DATA 7 (2/	7) - 100-50B	(5/7) REG +5V-2	9 REG +5V-2	(5/7)
CN110 DIF-16	-2 ⁴² (5/7) GND-2 10 GND-2 (5/7)		(2/7) DEC DATA 8			(5/7) REG +3.3V-2	10 REG +3.3V-2	(5/7) • • 3 3V-2
C N 112	101-488 (4/7) VISC Y(G) 11 VISC Y(X) (4/7) -244 (5/7) GND-2 12 GND-2 (5/7)		(2/7) DEC HD		7) - 100-52B	(5/7) REG +3.3V-2	11 REG +3.3V-2	(5/7)
CN113 CN114 VPR-1	-2		(2/7) DEC CF INFO (2/7) DEC CK(G)		7) - 100-53B 7) - 100-54B	(5/7) REG +3.3V-2 (5/7) REG +3.3V-2	12 REG +3.3V-2 13 REG +3.3V-2	(5/7)
CN114 VFR-1	136-6 → (1/7) INPUT R-Y(G) 14 INPUT R-Y(X) (1/7)	· L	(2/7) FR RST		7) - 100-34B 118-14		14 PB DATA 1	(3/7) - 118-148
CN116	136-4 → (1/7) INPUT Y(G) 15 INPUT Y(X) (1/7)		(2/7) EXT 4FSC(G)		7) - 100-44B 118-15		15 PB DATA 3	(3/7) - 118-15B
CN117 DPR-36	-2 ⁴⁴ (5/7) GND-2 16 GND-2 (5/7)		(5/7) GND-2	16 GND-2 (5/	7) 7-2 118-16		16 PB DATA 5	(3/7) - 118-16B
C N 118	136-2 → (6/7) INPUT REF VIDEO(G) 17 INPUT REF VIDEO(X) (6/7)	- 136-1 100-36A -	(5/7) DEC EVR DATA	17 DEC EVR CK (5/	7) = 100-36B 118-17	A → (3/7) PB DATA 6	17 PB DATA 7	(3/7) - 118-17B
C N 119	135-4 → (6/7) CF SET(G) 18 CF SET(X) (6/7) →	L	(5/7) C 100/75		7) - 100-22A 118-18		18 PB DATA 9	(3/7) - 118-18B
CN120 APR-1	135-2 - (5/7) REF CONT 0 19 REF CONT 1 (5/7)		(5/7) MODE DATA		7) - 100-39B, 112-15B 118-19		19 PB VD	(3/7) - 118-198
CN121 CN122	102-46A (5/7) TBC VPR JP1 20 NC (4/7) 102-47A (5/7) TBC VPR JP2 21 B-CAM CF (3/7)		(5/7) DD START (5/7) DIF LOAD		7) - 100-40B, 112-14A 115-21B, 118-20 7) - 100-41A 115-21B, 118-21A/21		20 PB PARITY 21 PB GND	(3/7) - 118-208 (3/7) - 115-21A, 118
CN122 CN123 SS-52A/52	101-48A - (3/7) TBC 4FSC(G) 22 TBC 4FSC(X) (3/7)		(5/7) DIF LOAD (5/7) DIF DO		7) - 100-41A 115-21B, 118-21A/21 7) - 100-41B 123-4		21 PB GND 22 SS CK 13.5(X)	(3/7) 115-21A, 118 (7/7) 123-3A
CN123 55-52A/52	-2 ¹² (5/7) GND-2 23 GND-2 (5/7)		(7/7) DIF SIG FLAG		7) - 100-14B 118-23		23 DPR CK 13.5(X)	(7/7) 123-3A (7/7) 118-23B
CN130 RS232C CONNECTOR	110-14A - (2/7) D1 DATA 0 24 D1 DATA 1 (2/7)		(3/7) CRCC		7) 110-39B 118-25		24 H PITCH COR	(7/7) - 118-258
CN131 VIDEO CONTROL CONNECTOR	110-15A - (2/7) D1 DATA 2 25 D1 DATA 3 (2/7)	- 110 - 15B 110 - 42A 🖚	(5/7) DIF EVR DATA	25 CSIT/COMP (3/	7) - 110-22B 118-26		25 DPR CF0	(7/7) - 118-35 A
CN132 REMOTE 1 IN(9P) CONNECTOR	110-16A - (2/7) D1 DATA 4 26 D1 DATA 5 (2/7)		(5/7) L;DIF EVR RESET		7) 110-42B 121-23		26 AU 512FSO(X)	(7/7) - 121-24A
CN133 REMOTE 1 OUT(9P) CONNECTOR	110-17A - (2/7) D1 DATA 6 27 D1 DATA 7 (2/7)		(3/7) TBC GND		7) - 101-49 A, 114-27 A 118-27		27 DPR AU 256FSO(X)	(7/7) ► 118 - 27B
CN134 CONTROL PANEL CONNECTOR	110-18A — (2/7) D1 DATA 8 28 D1 DATA 9 (2/7)		(3/7) B-CAM DATA 0		7) - 101-50A 112-25		28 DIF AU 128FSO(X)	(7/7) → 112 - 25B
CN135 (CN412) CN136 (CP-218 (CN413)	110-19A - (2/7) D1 HD 29 D1 VD (2/7) 110-20A (2/7) D1 CF0 30 D1 CF1 (2/7)		(3/7) B-CAM DATA 2 (3/7) B-CAM DATA 4		7) - 101-51A 121-25 7) - 101-52A 112-27		29 AU 128FSO(X)	(7/7) 121-26 A
CN136 (CN413) CN137 CP-220 (CN404)	110-21A - (2/7) D1 CF2 31 D1 PARITY (2/7)		(3/7) B-CAM DATA 6		7) - 101-52A 112-27 7) - 101-53A 112-29		30 AU 64FSO 31 DPR AU 64FSO	(7/7) 121-24B (7/7) 118-26B
CN138 (CN414)	110-23B - (3/7) D1 CK(G) 32 D1 CK(X) (3/7)		(3/7) B-CAM DATA 8		7) - 101-54A 118-31		32 AU FSO	(7/7) - 121-27 A
CN139 CP-218 (CN415)			(3/7) B-CAM HD		7) - 101-55A 118-28		33 DPR 256FSOP(X)	(7/7) - 118-28B
CN140 (CN402)	110-25A - (3/7) D1/D2 DATA 0 34 D1/D2 DATA 1 (3/7)	- 110-25B 101-29A	(3/7) B-CAM CF INFO	34 B-CAM PARITY (3/	7) - 101-54B 121-25	8 - (7/7) 256FSOP(G)	34 256FSOP(X)	(7/7) - 121-26B
CN142 CP-220 (CN400)	110-26A (3/7) D1/D2 DATA 2 35 D1/D2 DATA 3 (3/7)		(3/7) H; V SHIFT		7) - 101-18 A 121-28	B ← (7/7) 128FSOP(G)	35 128FSOP(X)	(7/7) - 121-28 A
CN143 (CN401)	110-27A - (3/7) D1/D2 DATA 4 36 D1/D2 DATA 5 (3/7)		(2/7) TBC CK 27(G)		7) - 101-56A 121-27		36 32FSOP	(7/7) - 121-29 A
CN144 (CN403)	110-28A - (3/7) D1/D2 DATA 6 37 D1/D2 DATA 7 (3/7)	L	(5/7) GND-2		7) 7-2 118-31		37 FSOP	(7/7) = 121-29B
CN145 VR-152 (CN512) CN147 FP-58 (CN500)	110-29A (3/7) D1/D2 DATA 8	L	(2/7) DPR CK 27(G) (2/7) REC DATA 0		7) 117-36B 121-22 7) 117-37B 118-29		38 APR VPR JP4 39 DPR AU 256FSP(X)	(5/7) 121-23B (7/7) 118-29B
CN147 FF-38 (CN360) CN148 SWC-19 (CN148)	110-318 - (3/7) D1 CF INFO/D2 CF1 40 D1/D2 CF2 (3/7)		(2/7) REC DATA 2		7) 117-38B 118-30		40 DPR AU FSP	(5/7) 121-21B
CN149 HN-181 (CN201)	110-33A - (3/7) D1 DLY P/D2 SYNC 41 D1/D2 PARITY (3/7)	L	(2/7) REC DATA 4		7) = 117-39B 118-24		41 DE 256FS(X)	(7/7) + 118-30B
CN150 FAN MOTOR(R)	110-24A/24B, 113-42B (3/7) DIF GND 2 42 DIF GND 2 (3/7)	- 110-24A/24B, 113-42A 117-40A -	(2/7) REC DATA 6	42 REC DATA 7 (2/	7) = 117-40B 118-32		42 DE 128FS(X)	(7/7) - 118-24B
CN151 (CN201)	110-35B - (3/7) DIF 4FSC(G) 43 DIF 4FSC(X) (3/7)	F	(2/7) REC DATA 8		7) 117-41B 118-33	B ← (7/7) REF VD	43 SS VD	(7/7) - 123-1A
CN152 SWITCHING REGULATOR (CN202)			(2/7) REC HD		7) 117-42B 118-33		44 ADV VD	(7/7) - 118-34B
CN153 (CN206)	(5/7) REG +15 V -2 45 REG +15 V -2 (5/7)		(2/7) REC CF INFO		7) 117-43B 123-1		45 AU PLL LOCK	(7/7) - 118-35B
CN154 HN-181 (CN205) CN155 NO CONNECTION	-15V-2 (5/7) REG -15V-2 46 REG -15V-2 (5/7)	1	(2/7) REC GND (5/7) SYIF2 RDY		7) 114-46A, 117-44A/44B 118-34 7) 122-12B 101-46		46 TBC VD 47 ANA Ö/E	(7/7) = 101-45 A (7/7) = 101-47 B, 10
CN156 SWITCHING REGULATOR (CN203)	(5/7) GND-2 48 GND-2 (5/7)		(5/7) SYIF2 CMD		7) = 122-13B 102-43		48 TBC VD 2	(7/7) = 101-4/8, 10
CN160 CN161 OF MB-441	3 (5/7) GND-2 49 GND-2 (5/7)	1 :	(5/7) L; VPR CS	· · · · · · · · · · · · · · · · · · ·	7) = 117-21A 102-45		49 SS CF	(2/7) = 123-38A
N161 CN160 OF MB-441	(5/7) GND-2 50 GND-2 (5/7)		(2/7) REC AU ID1		7) - 117-22A 123-4		50 VPR SS JP1	(5/7) 123-38B
	CN136 113-178					LOT NO. BO. 302-306 1-64		
	CN135 113-19B					Mother MB-44 BOARD NO. BOARD'S LO DVW-A500P(E	board BOARD (3 1-648-560-11, 12, 13	•
	113-4A → OUTPUT B-Y(G) 14 - 8 →	ı				DVW-500P (I	. UC) :MB-441 MCB EK) :MB-441 MCB UC) :MB-441 MCB	

1-186 1-186 DVW-A500/500 C D D E F G H

MB-441	BOARD	CONNECTI	ON				
SHEET No.	REF. No.						
	CN100		DW-505/506				
	CN101	TBC-23	W-A500/A500P				
(1/6)	CN102	TBC-24	ILY				
	CN103	DM-89	MB-441A MCB)				
	C N 10 4	AP-28 '					
	CN105	CUE-1AP/1A/1					
(2/6)	CN106	EQ-45A/45					
	C N 110	DIF - 16					
	C N 112						
	C N 113						
(3/6)	C N 114	VPR-1					
	C N 115						
	C N 116						
(4/6)	C N 117	DPR-36					
	CN118		***************************************				
	CN119						
(5/6)	CN120	APR-1					
	CN121						
	C N 1 2 2						
(6/6)	C N 123	SS-52A/52					
(0.0)	C N 12 4						
	CN130	RS232C CONNE					
(5/6)	CN131	VIDEO CONTRO					
	CN132		P) CONNECTOR				
(6/6)	CN133		(9P) CONNECTOR				
	C N 1 3 4	CONTROL PANE					
(3/6)	C N 135	CP-218	(CN412)				
(/	CN136	0. 2.0	(CN413)				
(5/6)	CN137	CP-220	(CN404)				
(1/6)	CN138	CP-218	(CN414)				
()	CN139	01 210	(CN415)				
(2/6)	CN140		(CN402)				
	CN142	CP-220	(CN400)				
	CN143		(CN401)				
(5/6)	CN144		(CN403)				
	CN145	VR-152	(CN512)				
	CN147	FP-58	(CN500)				
	CN148	SWC-19	(CN148)				
	CN149	HN-181	(CN201)				
	CN150	FAN MOTOR(R)					
	CN151	l	(CN201)				
(6/6)	C N 152	SWITCHING RE	. ,				
	CN153		(CN206)				
	C N 154	HN-181	(CN205)				
	CN155	NO CONNECTIO					
	CN156	SWITCHING RE					
(1/6)	CN160	CN161 OF MB-					
(110)	CN161	CN160 OF MB-	441				

Α

		FOR DP	٦ – 3	36 BOARD		
	DPR BOARD		CN116		DPR BOARD	
	SHEET No.	A		В	SHEET No.	
- 242	(6/7)	GND-2	1	GND-2	(6/7)	<u>-</u> -2
- 24	(6/7)	GND-2	2	GND-2	(6/7)	
	(7/7)	NC	3	NC	(7/7)	
122-19B 	(3/7)	VIDEO INDEX RDY	4	DT TR JMP	(2/7)	- 124-44A
124-44B	(7/7)	SV 1/2 VD	5	MODE TEST	(3/7)	- 122-7 A
122-20A →	(1/7)	PAD 0	6	PAD 1	(1/7)	→→ 122-20B
122-21A →	(1/7)	PAD 2	7	PAD 3	(1/7)	→→ 122-21B
122-22A →◆	(1/7)	PAD 4	8	PAD 5	(1/7)	←► 122-22B
122-23A →→	(1/7)	PAD 6	9	PAD 7	(1/7)	122-23B
122-24A	(1/7)	PS 0	10	PS 1	(1/7)	- 122-24B
122-25A	(2/7)	PSTB	11	PCS 0	(1/7)	- 122-26A
122-348	(1/7)	L;SYS RESET 3.3V	12	ERROR FLAG	(7/7)	► 122-35B
122-32B	(7/7)	SEG SW	13	WNOVR OFF	(2/7)	122-7B
	(7/7)	NC	14	NC	(7/7)	
106-35A	(1/7)	REC CK(G)	15	REC CK(X)	(1/7)	→ ─ 106-35B
106-36A ◄	(1/7)	L;PRCD OFF	16	REC PRTY	(1/7)	→ 106-36B
106-378 ◄		REC AC DO	17	REC AC D1	(1/7)	► 106-37A
106-38B ◄	(1/7)	REC AC D2	18	REC AC D3	(1/7)	► 106-38A
106-398 🖚	(1/7)	REC BD D0	19	REC BD D1	(1/7)	- 106-39A
106-40B 	(1/7)	REC BD D2	20	REC BD D3	(1/7)	→ 106-40A
106-41A 	(1/7)	L;REC C EN	21	L;REC A EN	(1/7)	→ 106-41B
106-42A 	(1/7)	L;REC D EN	22	L;REC B EN	(1/7)	→ 106-42B
106-43B	(5/7)	ADV AC DO	23	ADV AC D1	(5/7)	- 106-43A
106-44B	(1117)	ADV AC D2	2 4	ADV AC D3	(5/7)	- 106-44A
106-45A	<u> </u>	ADV AC CK(G)	2.5	ADV AC CK(X)	(5/7)	- 106-45B
106-46A —	(ADV BD PRTY	26	ADV AC PRTY	(5/7)	- 106-46B
106-47B →	<u> </u>	ADV BD D0	27	ADV BD D1	(5/7)	- 106-47A
106-48B →	<u> </u>	ADV BD D2	28	ADV BD D3	(5/7)	106-48A
106-49A	,	ADV BD CK(G)	29	ADV BD CK(X)	(5/7)	- 106-49B
106-50B ─●	<u> </u>	CNF AC DO	30	CNF AC D1	(5/7)	← 106-50A
106-51B ─●		CNF AC D2	31	CNF AC D3	(5/7)	106-51A
106-52A →		CNF AC CK(G)	32	CNF AC CK(X)	(5/7)	← 106-52B
106-53A →		CNF BD PRTY	33	CNF AC PRTY	(5/7)	106-53B
106-54B	(5/7)	CNF BD D0	3 4	CNF BD D1	(5/7)	- 106-54A
106-55B →	(5/7)	CNF BD D2	3 5	CNF BD D3	(5/7)	- 106-55A
106-56A		CNF BD CK(G)	36	CNF BD CK(X)	(5/7)	- 106-56B
NC →	(1/7)	CRC OUT	37	EQ DPR JP0	(1/7)	106-28A
124-14A —•	<u> </u>	DE4NP		EQ DPR JP1	(1/7)	106-29A
	(7/7)	NC NC	39	NC NC	(7/7)	
123-39A	(7/7)	SEG 0	41	SEG 1	(1/7)	- 123-39B
	<u> </u>	SEG 0 SEG 2(FIELD)	41	START PLS		
123-40A	(1/7)	NC	43	NC NC	(1/7)	- 123-50B
157 2 🗆 🕳 -	<u> </u>	REG +15 V - 2	44	REG +15V-2		
15 V - 2	(6/7)	REG +15V-2	4.5	REG +15V-2	(6/7)	15 V - 2
-15 V -2 1111 + -	(6/7)	REG +15V-2	46	REG -15V-2	(6/7)	
13 7 - 2	(6/7)	REG -15V-2	47	REG -15V-2	(6/7)	13 V - 2
	(6/7)	GND-2	48	GND-2	(6/7)	
3	(6/7)	GND-2	49	GND-2	(6/7)	7
- L	(6/7)	GND-2	50	GND-2	(6/7)	□ "
	,/				,,	1

		DPR BOARD		C N 117		DPR BOARD		
		SHEET No.	A		В	SHEET No.		
	- 24	(6/7)	GND-2	1	GND-2	(6/7)	<u>-</u> -2	
	114-1A	(3/7)	DPR CK 18(G)	2	DPR CK 18(X)	(3/7)	- 114-1B	
	- 24	(6/7)	GND-2	3	GND-2	(6/7)	<u>-</u> , -2	
		(7/7)	NC	4	DT TR JUMP	(7/7)	← NC	
	110-40A	(7/7)	DPR DIF JP0	5	DPR DIF JP1	(7/7)	110-40B	
	110-41A	(7/7)	DPR DIF JP2	6	NC	(7/7)		
	106-32B →	(5/7)	METRIC ADV AC	7	METRIC ADV BD	(5/7)	← 106-32A	
	106-33B	(5/7)	METRIC CNF AC	8	METRIC CNF BD	(5/7)	← 106-33A	
		(7/7)	NC	9	MODE PR	(5/7)	- 122-40 A	
		(7/7)	NC	10	NC	(7/7)		
	103-31A	(6/7)	Y RF ENVELOPE(X)	11	Y RF ENVELOPE(G)	(6/7)	← 103-32A	
	103-33A	(6/7)	C RF ENVELOPE(X)	12	C RF ENVELOPE(G)	(6/7)	- 103-34A	
	- 24	(6/7)	GND-2	13	GND-2	(6/7)	<u>-</u> -2	
		(7/7)	NC	14	NC	(7/7)		
		(7/7)	NC	15	GND-2	(6/7)	-m-2	
	106-30B	(6/7)	CNF AC ENV	16	CNF BD ENV	(6/7)	- 106-31B	
	106-28B	(6/7)	ADV AC ENV	17	ADV BD ENV	(6/7)	- 106-29B	
		(7/7)	NC .	18	GND-2	(6/7)	m-2	
	106-21B	(6/7)	PB SAT REC AC	19.	EQ GND1	(6/7)	123-26B	
	106-23B	(6/7)	PB SAT REC BD	20	EQ GND2	(6/7)	123 - 28 B	
	114-49B	(1/7)	REC AU ID0	21	REC AU ID1	(1/7)	114-50 A	115 - 2
	114-50B	(1/7)	REC AU ID2	22	NC	(7/7)		
	- 24	(6/7)	GND-2	23	NC	(7/7)		
	123-41A -	(7/7)	DT SEG 0	2 4	DT SEG 1	(7/7)	→ 123-41B	
	123-40B 	(7/7)	DT 2F	2.5	SYNC PLS	(7/7)	→ 123-42A	
	123-42B 	(3/7)	PP SV-REF	26	NC	(7/7)		
	123-43A	(6/7)	H;SV LOCK	27	DIRECTION	(2/7)	← 123-43B	
	123-44A	(7/7)	PB 2F	28	PB 4F	(7/7)	← 123-44B	
	123-45A	(7/7)	PB 8F	2 9	CAP 8FG	(2/7)	← 123-45B	
	123-46A	(5/7)	5F INERTIA	3 0	DT JUMP	(2/7)	← 123-46B	
	123-47A	(5/7)	REC AC SEL	31	REC BD SEL	(5/7)	← 123-47B	
	123-48A	(5/7)	CNF AC SEL	32	CNF BD SEL	(5/7)	- 123 - 48B	
	123-49A —	(5/7)	ADV AC SEL	33	ADV BD SEL	(5/7)	- 123-49B	
	123-50A	(1/7)	L;B-CAM 3.3V	3 4	NC	(7/7)		
		(7/7)	NC	3 5	NC	(7/7)		
	114-38A	(3/7)	DPR CK 27(G)	36	DPR CK 27(X)	(3/7)	 114-38B	
	114-39A	(1/7)	REC DATA 0	37	REC DATA 1	(1/7)	 114-39B	
	114-40A	(1/7)	REC DATA 2	3.8	REC DATA 3	(1/7)	 114-40B	
	114-41A	(1/7)	REC DATA 4	39	REC DATA 5	(1/7)	114-41B	
	114-42A	(1/7)	REC DATA 6	4.0	REC DATA 7	(1/7)	- 114-42B	
	114-43A	(1/7)	REC DATA 8	41	REC DATA 9	(1/7)	114-43B	
	114-44A	(1/7)	REC HD	42	REC VD	(1/7)	→ 114-44B	
	114-45A		REC CF INFO	43	REC PARITY	(1/7)	→ 114-45B	
A / 46B,	117 - 448	(1/7)	REC GND	4 4	REC GND	(1/7)	114-46A/46B, 117-44A	
		(7/7)	NC	4.5	NC	(7/7)		
	112-34A 🔫	(7/7)	SIF T 5/6	46	SIF T 7/8	(7/7)	→ 112-34B	
	112-35A	(7/7)	SIF R 5/6	47	SIF R 7/8	(7/7)	← 112-35B	
	112-36A		SIF MUTE 5	4 8	SIF MUTE 6	(7/7)	← 112 - 36B	
	122-37A	(7/7)	SIF MUTE 7	4 9	SIF MUTE 8	(7/7)	← 112-37B	
	- 24	(6/7)	GND-2	5.0	GND-2	(6/7)	 −2	

		FOR DP	R – (36 BOARD		
	DPR BOARD		CN118		DPR BOARD	
	SHEET No.	A		В	SHEET No.	
	(6/7)	GND-2	1	GND-2	(6/7)	- N
3, +	(6/7)	GND-2	2	GND-2	(6/7)	+ 'E
2 _	(6/7)	GND-2	3	GND-2	(6/7)	
8 V − 2 □ ••	(6/7)	REG +8V-2	4	REG +8V-2	(6/7)	- • □ 8V-2
-	(6/7)	REG +8V-2	5	REG +8V-2	(6/7)	•
-8 V - 2 101 + →	(6/7)	REG -8V-2	6	REG -8V-2	(6/7)	→ • 1 -8V-2
L.	(6/7)	REG -8V-2	7	REG -8V-2	(6/7)	.
5 V − 2 O + -	(6/7)	REG +5V-2	8	REG +5V-2	(6/7)	→ → ○ 5V-2
L.	(6/7)	REG +5V-2	9	REG +5V-2	(6/7)	- -
3.3V-2 💠 💠 🗪	(6/7)	REG +3.3V-2	10	REG +3.3V-2	(6/7)	- • ◆ 3.3V-2
• •	(6/7)	REG +3.3V-2	11	REG +3.3V-2	(6/7)	
• •	(6/7)	REG +3.3V-2	12	REG +3.3V-2	(6/7)	-
L.	(6/7)	REG +3.3V-2	13	REG +3.3V-2	(6/7)	•
115-14A 	(3/7)	PB DATA 0	14	PB DATA 1	(3/7)	→ 115-14B
115-15A <	(3/7)	PB DATA 2	15	PB DATA 3	(3/7)	→ 115-15B
115-16A 🕶	(3/7)	PB DATA 4	16	PB DATA 5	(3/7)	→ 115-16B
115-17 A 🗢	(3/7)	PB DATA 6	17	PB DATA 7	(3/7)	→ 115-17B
115-18A 	(3/7)	PB DATA 8	18	PB DATA 9	(3/7)	→ 115-18B
115-19A -	(3/7)	PB HD	19	PB VD	(3/7)	→ 115-19B
115-20A -	(3/7)	PB CF INFO	20	PB PARITY	(3/7)	→ 115-20B
115 - 21A / 21B, 118 - 21B -	(3/7)	PB GND	21	PB GND	(3/7)	115-21A/21B, 118-1
-24	(6/7)	GND-2	22	GND-2	(6/7)	
115-23 A	(1/7)	DPR CK 13.5(G)	23	DPR CK 13.5(X)	(1/7)	
115-41A	(1/7)	DE 128FS(G)	2.4	DE 128FS(X)	(1/7)	← 115 - 42B
115-24A	(3/7)	AUDIO VD	2.5	H PITCH COR	(3/7)	→ 115 - 2 4 B
115-25A	(3/7)	DPR VPR JP2	26	DPR AU 64FSO	(1/7)	← 115-31B
115-27 A	(1/7)	DPR AU 256FSO(G)	27	DPR AU 256FSO(X)	(1/7)	← 115 - 27B
115-33A	(1/7)	DPR 256FSOP(G)	28	DPR 256FSOP(X)	(1/7)	→ 115 - 33B
115-39A →	(3/7)	DPR AU 256FSP(G)	2 9	DPR AU 256FSP(X)	(3/7)	→ 115 - 39B
115-40A	(1/7)	DE 256FS(G)	3.0	DE 256FS(X)	(1/7)	→ 115 - 41B
115-32A →	(1/7)	DPR AU FSO	31	DPR FSOP	(1/7)	→ 115-37 A
NC -	(3/7)	DPR AU FSP	32	DE FS	(1/7)	→ 115 - 42 A
115-44A	(3/7)	REF HD	33	REF VD	(3/7)	→ 115-43 A
115-46A	(3/7)	ADV HD	3 4	ADV VD	(3/7)	← 115 - 44B
115-25B ◄	(3/7)	DPR CF0	3 5	AU PLL LOCK	(2/7)	← 115 - 45B
121-30A	(2/7)	AD R 1/2	36	DA T 1/2	(2/7)	► 121-30B
121-31A	(2/7)	AD R 3/4	37	DA T 3/4	(2/7)	→ 121-31B
121-32A →	(2/7)	AES R 1/2	38	AES T 1/2	(2/7)	→ 121-32B
121-33A →	(2/7)	AES R 3/4	3 9	AES T 3/4	(2/7)	→ 121-33B
121-34A →	(2/7)	AES MUTE 1/2	40	MON L/R	(2/7)	→ 121-34B
121-35A →	(2/7)	AES MUTE 3/4	41	AU SR CS	(3/7)	121-35B
121-36B -	(2/7)	AU SR START	42	AU SR CLOCK	(2/7)	← 121-37B
121-38B	(2/7)	AU SR OUT	43	AU SR IN	(2/7)	→ 121-39B
A 121-40B	(2/7)	L;POWER ON PULSE	4.4	APR JP0	(3/7)	121-41B
121-42B	(3/7)	APR JP1	4 5	APR JP2	(3/7)	121-43B
112-39A 🔫	(2/7)	SIF T 1/2	46	SIF T 3/4	(2/7)	→ 112 - 39B
112-40A	(2/7)	SIF R 1/2	47	SIF R 3/4	(2/7)	→ 112 - 40B
112-41A	(2/7)	SIF MUTE 1	4.8	SIF MUTE 2	(2/7)	← 112 - 41B
112-42A	(2/7)	SIF MUTE 3	4 9	SIF MUTE 4	(2/7)	→ 112 - 42B
- 2 " "	(6/7)	GND-2	50	GND-2	(6/7)	

LOT NO.	BOARD NO.
302-306	1-648-560-11
307-402	1-648-560-12
403-	1-648-560-13

Mother board MB-441 BOARD (4/6)

BOARD NO. 1-648-560-11, 12, 13
BOARD'S LOT NO. 302DVW-A500(J, UC): MB-441A MCB
DVW-A500P(EK): MB-441A MCB
DVW-A500P(UC): MB-441A MCB
DVW-500 (J, UC): MB-441 MCB
DVW-500P(EK): MB-441 MCB
DVW-500P(EK): MB-441 MCB
DVW-500P(EK): MB-441 MCB

C N 116 C N 117 C N 118

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DVW-MB441-ALL-REC-S/M-05

DVW-A500/500

1-187

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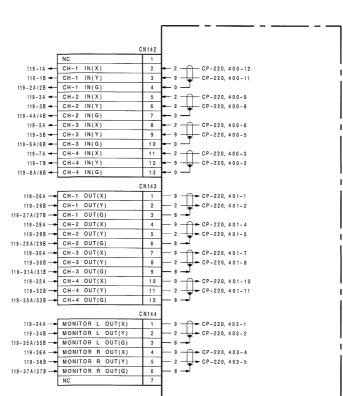
1-187

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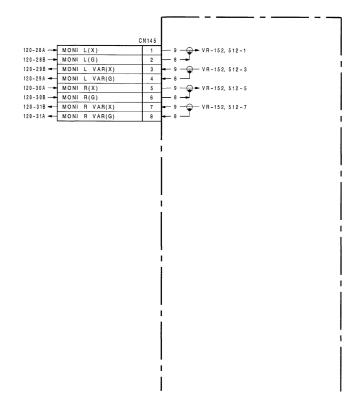
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MB-441 SHEET No.	BOARD REF. No.	CONNEC	TION	
SHEET NO.	CN100	DEC-65 E	3KDW-505/506	
	CN101	TBC-23		
(1/6)	CN102	TBC-24 DVW-A500/A500P		
(,	CN103	DM-89	ONLY	
	CN104	AP-28 (MB-441A MCB)		
	CN105	CUE-1AP/1A/	1	
	CN106	EQ-45A/45		
(2/6)	CN110			
	CN112	DIF ~ 16		
	CN113	-		
(3/6)	C N 1 1 4	VPR-1		
()	CN115			
	CN116			
(4/6)	C N 1 1 7	DPR-36		
,	CN 118			
	C N 119			
(5/6)	CN120	APR-1		
. ,	CN121			
	CN122			
	CN123	SS-52A/52		
(6/6)	CN124			
	C N 13 0	RS232C CONN	ECTOR	
(5/6)	CN131	VIDEO CONTR	OL CONNECTOR	
	CN132	REMOTE 1 IN	(9P) CONNECTOR	
(6/6)	CN133	REMOTE 1 OL	T(9P) CONNECTOR	
	CN134	CONTROL PAN	IEL CONNECTOR	
(3/6)	CN135	CP-218	(CN412	
(3/6)	CN136	GP-210	(CN413	
(5/6)	CN137	CP-220	(CN404	
(1/6)	CN138	CP-218	(CN414	
(1/0)	CN139	GF-210	(CN415	
(2/6)	CN140		(CN402	
	CN142	CP-220	(CN400	
	CN143	" " " " " " " " " " " " " " " " " " "	(CN401	
(5/6)	CN144		(CN403	
	CN145	VR-152	(CN512	
	CN147	FP-58	(CN500	
	CN148	SWC-19	(CN148	
	CN149	HN-181	(CN201	
	CN150	FAN MOTOR(R		
	CN151		(CN201	
(6/6)	CN152	SWITCHING F		
	CN153	UN 401	(CN206 (CN205	
	CN154	HN-181		
	CN155	NO CONNECTI SWITCHING F		
	CN156 CN160	CN161 OF ME		
(1/6)	CN160	CN161 OF ME		
	CNIOI	ON 100 OF ME		

	APR BOARD		C N 119		APR BOARD	
	SHEET No.	A	CMIII	В	SHEET No.	
142-2	_	CH-1 IN(X)	1	CH-1 IN(Y)		
142-4	(1/9)	CH-1 IN(A)	2	CH-1 IN(F)	(1/9)	142-3
	` '	CH-2 IN(X)	3	CH-1 IN(G)	(1/9)	142-4
142-5	(1/9)		4		(1/9)	142-6
142-7	(1/9)	CH-2 IN(G) CH-3 IN(X)	5	CH-2 IN(G) CH-3 IN(Y)	(1/9)	142-7
	(2/9)		_		(2/9)	142-9
142-10	(2/9)	CH-3 IN(G) CH-4 IN(X)	7	CH-3 IN(G)	(2/9)	142-10
	, ,		8	CH-4 IN(Y) CH-4 IN(G)	(2/9)	142-12
142-13	(2/9)	CH-4 IN(G)	9	CH-4 IN(G)	(2/9)	← 142-13
	(9/9)	NC NC		NC NC	(9/9)	
	(9/9)		10		(9/9)	
	(9/9)	NC	11	NC	(9/9)	
	(9/9)	NC	12	NC	(9/9)	
	(9/9)	NC	13	NC	(9/9)	
	(9/9)	NC	14	NC	(9/9)	
	(9/9)	NC	15	NC	(9/9)	
	(9/9)	NC	16	NC	(9/9)	
104-47A	(1/9)	B PB CH-1(X)	17	B PB CH-1(X)	(1/9)	→ 104-47A
104-47B	(1/9)	B PB CH-1(G)	18	B PB CH-1(G)	(1/9)	→ 104-47B
104-49A	(1/9)	B PB CH-2(X)	19	B PB CH-2(X)	(1/9)	104-49A
104-49B ─►	(1/9)	B PB CH-2(G)	20	B PB CH-2(G)	(1/9)	- 104-49B
104-51A →	(2/9)	B PB CH-3(X)	21	B PB CH-3(X)	(2/9)	- 104-51A
104-51B	(2/9)	B PB CH-3(G)	22	B PB CH-3(G)	(2/9)	- 104-51B
104-53A	(2/9)	B PB CH-4(X)	23	B PB CH-4(X)	(2/9)	- 104-53A
104-53B →	(2/9)	B PB CH-4(G)	2 4	B PB CH-4(G)	(2/9)	104-53B
	(9/9)	NC	2.5	NC	(9/9)	
143-1 🖚	(3/9)	CH-1 OUT(X)	26	CH-1 OUT(Y)	(3/9)	→ 143-2
143-3 🕶	(3/9)	CH-1 OUT(G)	27	CH-1 OUT(G)	(3/9)	→ 143-3
143-4 🕶	(3/9)	CH-2 OUT(X)	28	CH-2 OUT(Y)	(3/9)	→ 143-5
143-6 🕶	(3/9)	CH-2 OUT(G)	29	CH-2 OUT(G)	(3/9)	→ 143-6
143-7 🔫	(4/9)	CH-3 OUT(X)	3 0	CH-3 OUT(Y)	(4/9)	→ 143-8
143-9 🕶	(4/9)	CH-3 OUT(G)	31	CH-3 OUT(G)	(4/9)	→ 143-9
143-10 🔫	(4/9)	CH-4 OUT(X)	3 2	CH-4 OUT(Y)	(4/9)	► 143-11
143-12 🗢	(4/9)	CH-4 OUT(G)	3 3	CH-4 OUT(G)	(4/9)	→ 143-12
144-1 🕶	(5/9)	MONITOR L OUT(X)	3 4	MONITOR L OUT(Y)	(5/9)	→ 144-2
144-3 🕶	(5/9)	MONITOR L OUT(G)	3 5	MONITOR L OUT(G)	(5/9)	→ 144-3
144-4 🖜	(5/9)	MONITOR R OUT(X)	3 6	MONITOR R OUT(Y)	(5/9)	→ 144-5
144-6 ◄	(5/9)	MONITOR R OUT(G)	37	MONITOR R OUT(G)	(5/9)	→ 144-6
137-1	(1/9)	CH-1 MIC ON/OFF	3 8	CH-2 MIC ON/OFF	(1/9)	- ─ 137-2
137-3	(2/9)	CH-3 MIC ON/OFF	3 9	CH-4 MIC ON/OFF	(2/9)	137-4
105-35A	(5/9)	CUE MONITOR(X)	4 0	CUE MONITOR(X)	(5/9)	- 105-35A
105-35B	(5/9)	CUE MONITOR(G)	41	CUE MONITOR(G)	(5/9)	- 105-35B
	(9/9)	NC	42	NC	(9/9)	
	(9/9)	NC	43	NC	(9/9)	
V-2	(8/9)	REG +15 V - 2	4 4	REG +15 V - 2	(8/9)	- □ 15 V -
L.	(8/9)	REG +15 V - 2	4.5	REG +15 V - 2	(8/9)	 - -
V - 2 🖽 💠 ➤	(8/9)	REG -15 V - 2	46	REG -15 V - 2	(8/9)	III - 15 V -
L	(8/9)	REG -15 V - 2	47	REG -15 V - 2	(8/9)	- J
r	(8/9)	GND-2	4.8	GND-2	(8/9)	⊢ ∾
3	(8/9)	GND-2	49	GND-2	(8/9)	-E
	(8/9)	GND-2	5.0	GND-2	(8/9)	1 1



	FOR API	R – 1	BOARD		
APR BOARD		CN120		APR BOARD	
SHEET No.	A	i	В	SHEET No.	
(9/9)	NC	1	NC	(9/9)	
(9/9)	NC	2	NC	(9/9)	
(9/9)	NC	3	NC	(9/9)	
(9/9)	NC	4	NC	(9/9)	
(9/9)	NC	5	NC	(9/9)	
(9/9)	NC	6	NC	(9/9)	
(9/9)	NC	7	NC	(9/9)	
(9/9)	NC	8	NC	(9/9)	
(9/9)	NC	9	NC	(9/9)	
(9/9)	NC	10	NC	(9/9)	
(9/9)	NC	11	NC	(9/9)	
(9/9)	NC	12	NC	(9/9)	
(9/9)	NC	13	NC	(9/9)	
(9/9)	NC	14	NC	(9/9)	
(9/9)	NC	15	NC	(9/9)	
(9/9)	NC	16	NC	(9/9)	
(9/9)	NC	17	NC	(9/9)	
(9/9)	NC NC	18	NC	(9/9)	
(9/9)	NC NC	19	NC	(9/9)	
(9/9)	NC NC	2.0	NC	(9/9)	
(9/9)	NC NC	21	NC NC	(9/9)	
(9/9)	110	2 2		(9/9)	
(9/9)	NC NC	23	NC NC	(9/9)	
NC - (7/9)	SW0	2.5	SW1	(9/9)	→ NC
105-19A (9/9)	CUE JP0	26	CUE JP1	(9/9)	NC 105-19B
(9/9)	NC NC	27	NC NC	(9/9)	102-150
145-1 - (5/9)	MONI L(X)	2.8	MONI L(G)	(5/9)	— ► 145-2
145-4 - (5/9)	MONI L VAR(G)	29	MONI L VAR(X)	(5/9)	→ 145-3
145-5 - (5/9)	MONI R(X)	3.0	MONI R(G)	(5/9)	→ 145-6
145-8 - (5/9)	MONI R VAR(G)	31	MONI R VAR(X)	(5/9)	← 145-7
(9/9)	NC	3 2	NC	(9/9)	
147-7 - (1/9)	CH-1 REC GAIN	33	CH-2 REC GAIN		← 147-8
147-9 - (2/9)	CH-3 REC GAIN	3 4	CH-4 REC GAIN	(2/9)	← 147-10
147-11 - (1/9)	REC GAIN GND	3 5	REC GAIN GND	(1/9)	← 147-11
105-33A → (7/9)	CUE PEAK SIGNAL	3 6	H;SV LOCK	(9/9)	123-43A
105-43B - (7/9)	CUE TEST	3 7	L;DT LOCK	(7/9)	- 123-8B
105-44A → (7/9)	LTC ERASE DET	38	CUE TEST SIG(X)	(8/9)	→ 105-37A
105-45A → (7/9)	FULL ERASE DET	3 9	CUE ERASE DET	(7/9)	- 105-45B
105-46A (7/9)	CUE EE DET	4 0	CUE BIAS DET	(7/9)	← 105-46B
105-47A → (7/9)	L;LTC EQ ON	41	CUE OUT DET	(7/9)	← 105-47B
105-48A - (7/9)	H; CUE ERASE ON	4 2	H;LTC ERASE ON	(7/9)	→ 105-48B
105-49A - (7/9)	OSC H;OFF/L;ON	4 3	H; FULL ERASE ON	(7/9)	→ 105-49B
105-50A ◀ (7/9)	LTC H;PB/L;REC	4 4	H; CUE BIAS ON	(7/9)	→ 105-50B
105-51A 4 (7/9)	H;LTC HPF ON	4.5	L;LTC EQ NORM	(7/9)	→ 105-51B
105-52A ◄ (7/9)	H; CUE REC MUTE	4 6	H;LTC LPF ON	(7/9)	→ 105-52B
105-53A - (7/9)	H; CUE PB MUTE	47	CUE H;PB/L;EE	(7/9)	→ 105-53B
105-54A - (7/9)	CUE H;PB/L;REC	4.8	H;DIGITAL/L;ANALOG	(7/9)	► 105-54B, 104-23B
105-55A → (7/9)	H;SLOW EQ ON	4 9	H;METAL/L;OXIDE	(7/9)	- 105-55B, 104-24B
105-43A, 147-23	L;POWER ON MUTE	5 0	H; AUDIO ATT ON	(7/9)	→ 105-56B



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DVW-A500/500

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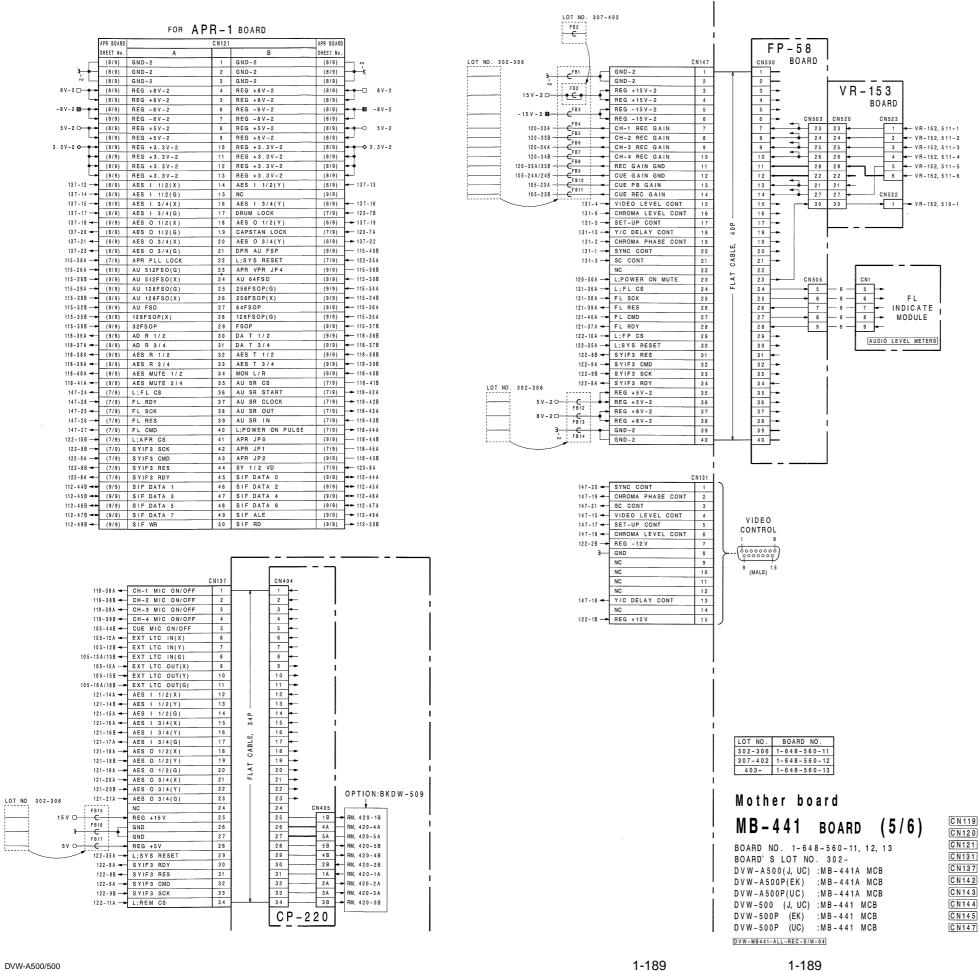
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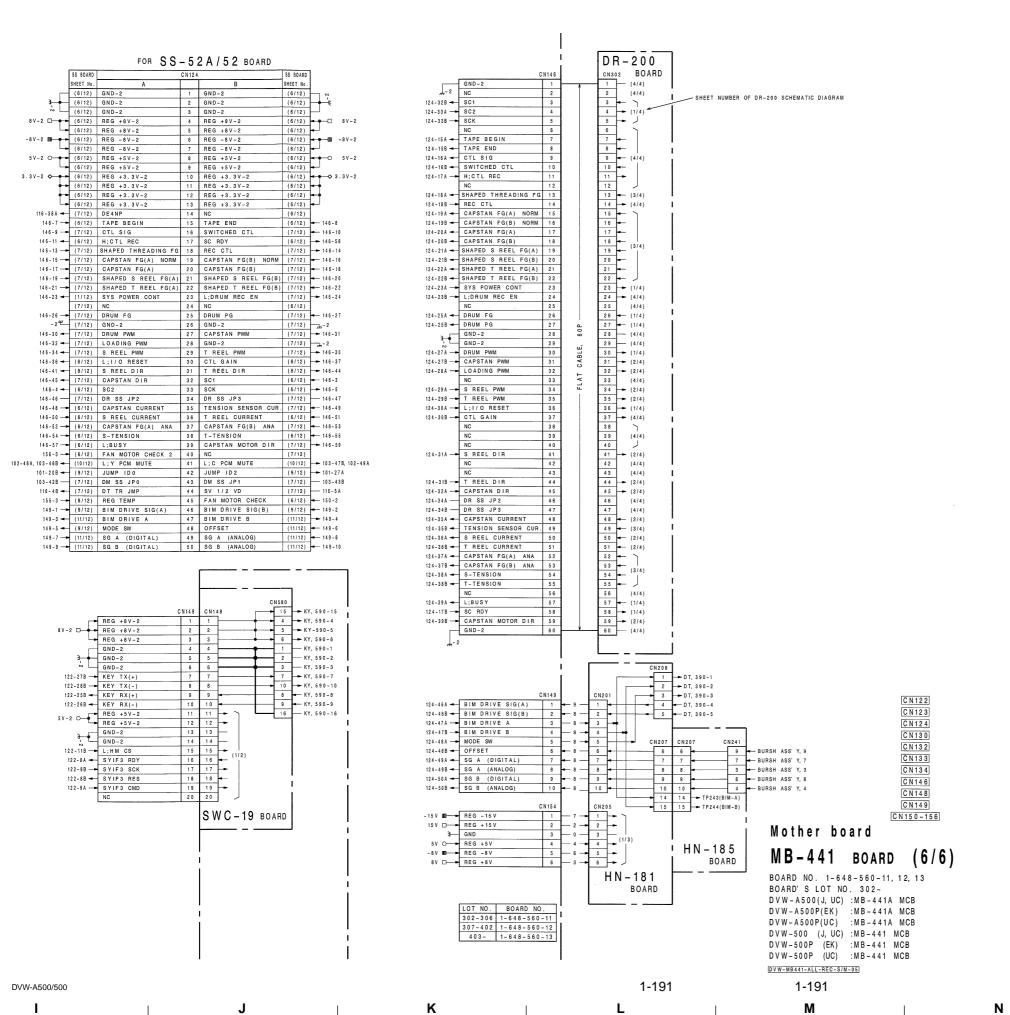
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					FOR S	S – 5	2 A / 5 2 BOARD			FOR SS	-52A/52 BOARD		
			i	SS BOARD		C N 12	2	SS BOARD		SS BOARD	CN123	SS BOARD	
MB-441	BOARD		132-7, 133-7	SHEET No.	DM TY(+)	+-	REG +12 V	SHEET No. (2/12) → 131-15	11E 42D	SHEET No. A (3/12) SS VD	1 SS HD	SHEET No. 115-45A	
HEET No.		CONNECTION	132-2, 133-2			2		(2/12) = 131-7		(4/12) CHARA FRAME	2 CHARA SIG(X)	(4/12) - 115-45A	
	C N 1 0 0	DEC-65 BKDW-505/506	132-3, 133-3	(5/12)	RM RX(+)		METRIC ADV BD	(1/12) - 106-32A		(3/12) SS CK 13.5(X)	3 CHARA SIG(G)	(4/12) - 113-3B	
	CN101	TBC-23 DVW-A500/A500P	132-8, 133-8			4	METRIC ADV AC	(1/12) - 106-32B		(3/12) SS CK 13.5(G)	4 L;SS RESET	(1/12) → 115-50A	
(1/6)	CN102 CN103	TBC-24 ONLY			PRIORITY OUT	5	METRIC CNF BD METRIC CNF AC	(1/12) - 106-33A (1/12) - 106-33B		(4/12) PB LTC (4/12) REC LTC	5 LTC SOURCE 6 LTC OUT	(4/12) - 105-11A (4/12) - 105-17A	
-	CN103	AP-28 (MB-441A MCB)			MODE TEST	7		(3/12) - 116-13B		(8/12) CAPSTAN LOCK	7 DRUM LOCK	(8/12) - 121-17B	LOT NO. 302-
	C N 10 5	CUE-1AP/1A/1	121-45A, 137-30, 147-34, 148-16 -			8	SYIF3 RES	(3/12) - 148-18 121-44A, 137-31, 147-31		(7/12) SY 1/2 VD	8 L;DT LOCK	(9/12) → 120-37B	101-24A, 104-2
(2/6)	CN106	EQ-45A/45	121-43A, 131-32, 147-32, 148-19 -				SYIF3 SCK	(3/12) - 148-17 121-42A, 137-33, 147-33		(10/12) Y WZ	9 C WZ	(10/12) - 102-36B)
,,	C N 110 C N 112	DIF-16		<u> </u>	L;FP CS	_	L;APR CS	(3/12) → 121-41A		(7/12) Y PB SYNC	10 SERVO V	(7/12) → 102-20A, 101-20	1A /
	CN112		137-34		L;REM CS	11	L;HM CS SYIF2 RES	(3/12) - 148-15 (3/12) - 101-44A, 103-52A, 114-47B		(9/12) DT V (8/12) L;REV/H;FWD	11 PB O/E 12 L;NOISELESS PB	(8/12) → 101-22A (8/12) → 101-24A, 103-10	D 104 228!
(3/6)	CN114	VPR-1	101-42A, 103-51B, 114-48A ◆				SYIF2 SCK	(3/12) → 101-43A, 103-51A, 114-48B		(10/12) L;DT	13 JUMP ID1	(9/12) - 102-48B, 101-26	
	CN115		114-49 A ◆	(3/12)	L;VPR CS		L;TBC CS	(3/12) - 101-428	101-30A	(8/12) PB FP1	14 PB FP2	(8/12) - 101-31A	
	C N 116		1		PP CS	_	L;DM CS	(3/12) → 103-53A	102-17B, 103-48A		15 DM TBC SS JP1	(5/12) 102-31A, 103-49	
(4/6)	C N 117 C N 118	DPR-36	NC —		SCS 0 SYIF1 CMD		SCS 1 SYIF1 SCK	(1/12) NC (1/12) → 106-17B		(7/12) ADV Y SW PLS (7/12) L;Y DO PLS	16 ADV C SW PLS	(7/12) - 102-30A, 103-49	9 B
	CN119				EQ STB1		EQ STB2	(1/12) - 106-18A		(8/12) H;FAST SEARCH	17 L;C DO PLS 18 L;SLOW BID	(7/12) - 103-16B (8/12) - 103-45B	
(5/6)	C N 12 0	APR-1	1		EQ STB3	19	+	(3/12) - 116-4A		(10/12) L;RF Y VBLK	19 L;RF C VBLK	(10/12) - 103-45A	
	CN121		116-6A				PAD 1	(3/12) 116-6B		(6/12) DM SS JP3	20 DM SS JP2	(6/12) 103-36A	
	C N 1 2 2		116-7A				PAD 3	(3/12) 116-7B	103-31A		21 Y RF ENVELOPE(G)	(9/12) - 103-32A	
(6/6)	C N 1 2 3 C N 1 2 4	SS-52A/52	116-8A				PAD 5 PAD 7	(3/12) 116-8B		(9/12) ADV AC ENV	22 ADV BD ENV	(9/12) - 106-29B	
-	CN124	RS232C CONNECTOR	116-9A				PS 1	(3/12) → 116-9B (3/12) → 116-10B	106-34A -	(8/12) SAT CK(G) (8/12) GND-2	23 SAT CK(X) 24 GND-2	(8/12) 106-34B	
(5/6)	CN131	VIDEO CONTROL CONNECTOR	116-11A -			2.5		(5/12) = 134-2, 148-9	<u></u>	(8/12) GND-2	25 PB SAT REC AC	(8/12) - 106-21B	
	CN132	REMOTE 1 IN(9P) CONNECTOR	116-118 -	(3/12)	PCS 0	2 6	KEY RX(-)	(5/12) - 134-1, 148-10	3	(8/12) GND-2	26 EQ GND1	(8/12) — 117-19B	
(6/6)	CN133	REMOTE 1 OUT(9P) CONNECTOR	1	(1/12)		2.7		(5/12) - 134-10, 148-7	i> +	(8/12) GND-2	27 PB SAT REC BD	(8/12) → 106-23B	
	C N 13 4	CONTROL PANEL CONNECTOR	1	(1/12)			KEY TX(-) RX(R)	(5/12) 134-12, 148-8	 	(8/12) GND-2	28 EQ GND2	(8/12) 117-20B	
(3/6)	CN135 CN136	CP-218 (CN412) (CN413)	130-2 -				DCD(R)	(2/12) - 130-3 (2/12) - 130-8	106-144 ←	(8/12) GND-2 (8/12) EQ SS JP1	29 PB SAT ADV AC 30 EQ GND3	(8/12) - 106-25B (8/12) - NC	
(5/6)	C N 13 7	CP-220 (CN404)			RTS(R)		CTS(R)	(2/12) - 130-5	-24		31 PB SAT ADV BD	(8/12) - 106-27B	
(1/6)	CN138	CP-218 (CN414)	130-6	(2/12)	DSR(R)	3 2	SEG SW	(3/12) - 116-13A	106-14B ◀	(7/12) REC SAT AC	32 EQ GND4	(8/12) NC	
	C N 139	(CN415)			DIF SS CSIT/COMP		DIF SS 4FSC(G)	(1/12) 110-13B		(8/12) GND-2	33 L;FAST SEARCH	(8/12) ► 106-16B	
(2/6)	CN140 CN142	(CN402) (CN400)	101-44B, 103-53B, 121-22B		DIF SS 4FSC(X) L;SYS RESET	3 4	L;SYS RESET 3.3V ERROR FLAG	(3/12) - 106-11A, 116-12A (7/12) - 116-12B	106-15B <	(7/12) L;SAT AC EN (7/12) L:FE A EN	34 EQ SS JP2 35 L;FE B EN	(8/12) → 106-15A	
	CN142	CP-220 (CN400)	137-29, 147-30		SVCNT ERR		L;B-CAM SEL			(7/12) CNF AC FREQ	35 L;FE B EN 36 CNF BD FREQ	(7/12) - 106-12A (7/12) - 106-27A	
(5/6)	C N 1 4 4	(CN403)			PRTY ERR		L;SYSTEM EE1	(3/12) → 106-7A	106-24A ←		37 ADV BD FREQ	(7/12) - 106-25A	
	CN145	VR-152 (CN512)			PRTY CLR		L;SYSTEM EE2	(3/12) - 106-9A		(7/12) SS CF	38 VPR SS JP1	(5/12) 115-408	
	C N 1 4 7	FP-58 (CN500)		(3/12)			H;REC LOCK OUT	(3/12) - 106-20B		(7/12) SEG 0	39 SEG 1	(7/12) → 116-41B	
F	CN148 CN149	SWC-19 (CN148) HN-181 (CN201)	117-9B -		MODE PR L;DIF CHA CS		H;REV/L;FWD DIF CHA CK	(3/12) → 106-16A (3/12) → 112-17B	116-42A -	(7/12) SEG 2(FIELD) (7/12) DT SEG 0	40 DT 2F	(7/12) - 117-25A	
H	CN149	FAN MOTOR(R)			DIF CHA DT		S CHARA SIG(X)	(4/12) = 112-17B		(7/12) DI SEG 0	41 DT SEG 1 42 PP SV-REF	(7/12) - 117-24B (7/12) - 117-26A	
	CN151	(CN201)			S CHARA FRAME	43	S CHARA SIG(G)	(4/12) - 112-19B 102-49B, 1	104-21B, 117-27 A, 120-36B -		43 DIRECTION	(7/12) - 117-27B	
(6/6)	C N 1 5 2	SWITCHING REGULATOR (CN202)	15 V - 2 -		REG +15 V - 2		REG +15 V - 2	(6/12) (3/12) 15V-2		(7/12) PB 2F	44 PB 4F	(7/12) - 117-28B	
L	CN153	(CN206)					REG +15 V - 2			(7/12) PB 8F	45 CAP 8FG	(7/12) - 117-29B	
-	CN154 CN155	HN-181 (CN205) NO CONNECTION	-15 V - 2 ■		REG -15 V - 2 REG -15 V - 2	46	REG -15 V - 2 REG -15 V - 2	(6/12) -15V-2		(7/12) 5F INERTIA (7/12) REC AC SEL	46 DT JUMP 47 REC BD SEL	(7/12) - 117-30B	
H	CN156	SWITCHING REGULATOR (CN203)			GND-2	-	GND-2	(6/12) ~~		(7/12) REC AC SEL	48 CNF BD SEL	(7/12) 106-13A, 117-31 (7/12) 106-23A, 117-32	
(1/6)	CN160	CN161 OF MB-441	3,4		GND-2		GND-2	(6/12)		(7/12) ADV AC SEL	49 ADV BD SEL	(7/12) - 106-21A, 117-33	
		CN201 1 - 7 - 7 - 8 - 7 - 8 - 9 - 9 - 6 - 9 - 9 - 6 - 9 - 9 - 6 - 9 - 9	2 REG +15 V 3 GND 4 GND 5 GND 6 GND	5 V - 2 8 V - 2				3 GND 122-284 TX(R) 122-384 RX(R) 122-314 RTS(R) 122-318 CDS(R) 122-324 DSR(R) 3 GND 122-308 CDC(R) NC NC NC NC NC NC NC NC NC N	CN130 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 16 17 18 19 20 21 22 23	REMOTE 1	CN133 1 GND 2 RM TX(-) 3 RM RX(+) 4 GND 5 PRIORITY OUT 6 GND 7 RM TX(+) 8 RM RX(-) 9 GND CN132 1 GND 2 RM TX(-) 3 RM RX(-) 4 GND 5 PRIORITY IN 6 GND 7 RM TX(+) 8 RM RX(-) 9 GND CN134 CN135 CN136 CN137 CN137 CN137 CN138 CN1	- 122-2A - 122-3A - 122-5A - 122-1A - 122-1A - 122-2A - 122-3A - 122-6A - 122-6A	
		CN203 1	2 GND-2		150 101 :RS	+1	C100 8100 C100 8100 C100 88 3W :8S	UNREG +18 V UNREG GND 124-45A - REG TEMP UNREG +18 V FAN MOTOR CHECK	CN155 1 2 3 NC FAN MOTO 1 2 4 M 001 FAN MOTO	CONTROL PANEL 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2 KEY RX(+) 3 NC 4 REG +8V 5 REG +8V 6 REG +8V 7 REG +8V-2 8 NC 9 GND 10 KEY TX(+) 11 NC 12 KEY TX(-) 13 GND	FB20 BV FB18	
					+1 (- C102 100 35 V	<u>J</u> -3	C101 100 35V	124-458			15 GND	£	

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Section 2 Schematic Diagram for Optional Boards

Circuit Function

Model name	Board name	Circuit Function	Page
BKDW-505	DEC-65	Analog composite video decoder (Composite-component conversion, A/D conversion)	2-8
BKDW-507	PP-45	Audio program play	2-4
BKDW-509	RM-130	Parallel (50P) interface	2-3
BKDW-514	KY-231	Panel function control	2-12
	DP-176	Time counter display	_
	PTC-69	Search dial sensor, Dial solenoid connection	
	CP-266	Panel control CPU, EL control, PIO, Memory card I/F	2-14
	PTC-69	Search dial sensor, Dial solenoid connection	2-16
BKDW-515	KY-330	Editing operation/tape transport control switches, Memory card connector	2-18
	SW-749	Function control swithes	2-19

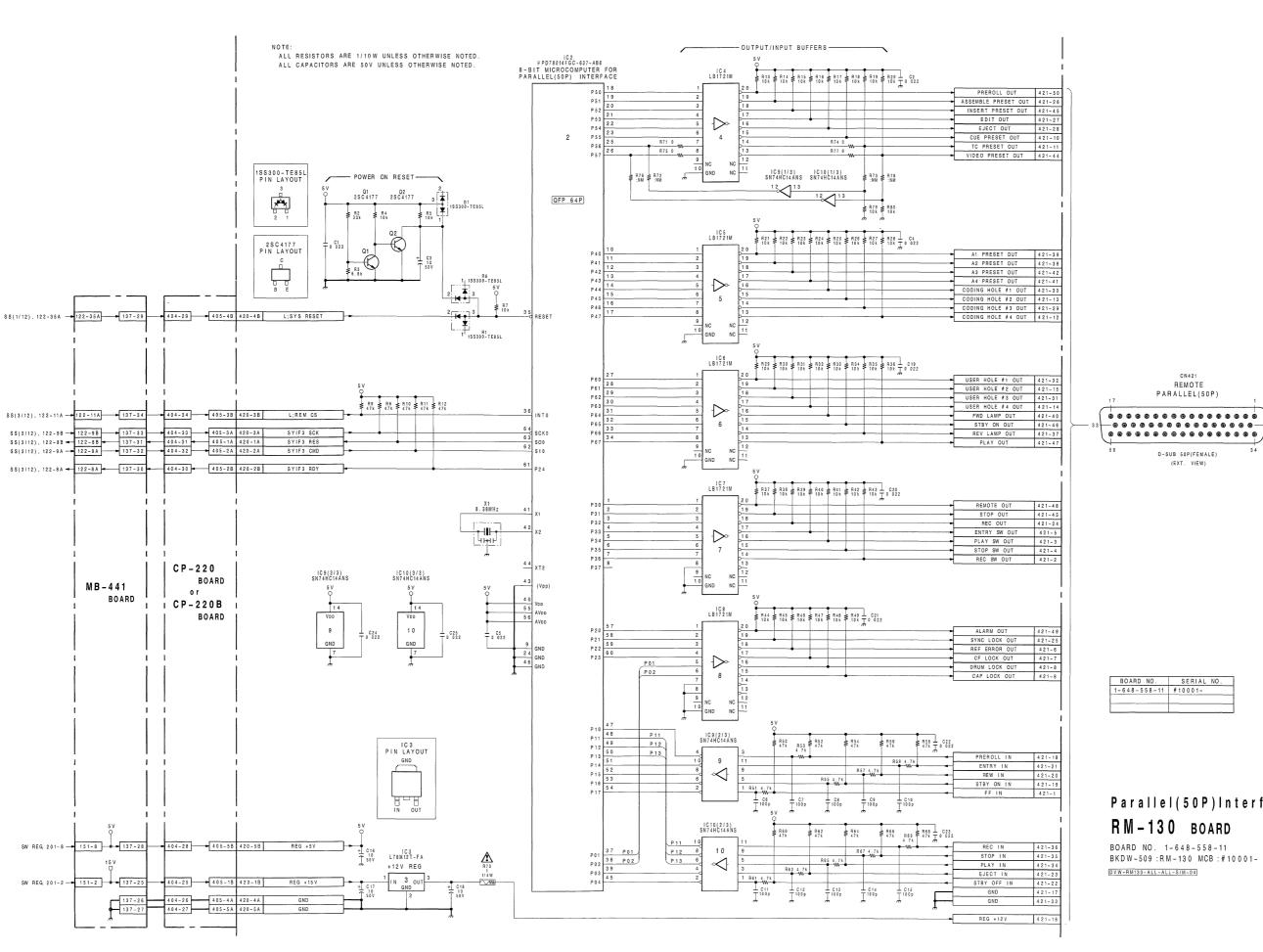
Note

The \triangle -marked components are critical to safety. Replace only with same components as specified.

注意

△印の部品は安全性を維持するために重要な部品です。 従って交換するときは必ず指定の部品を使ってください。

DVW-A500/500 2-1



Parallel(50P)Interface

2-3 2-3 DVW-A500/500 D Ε

Α

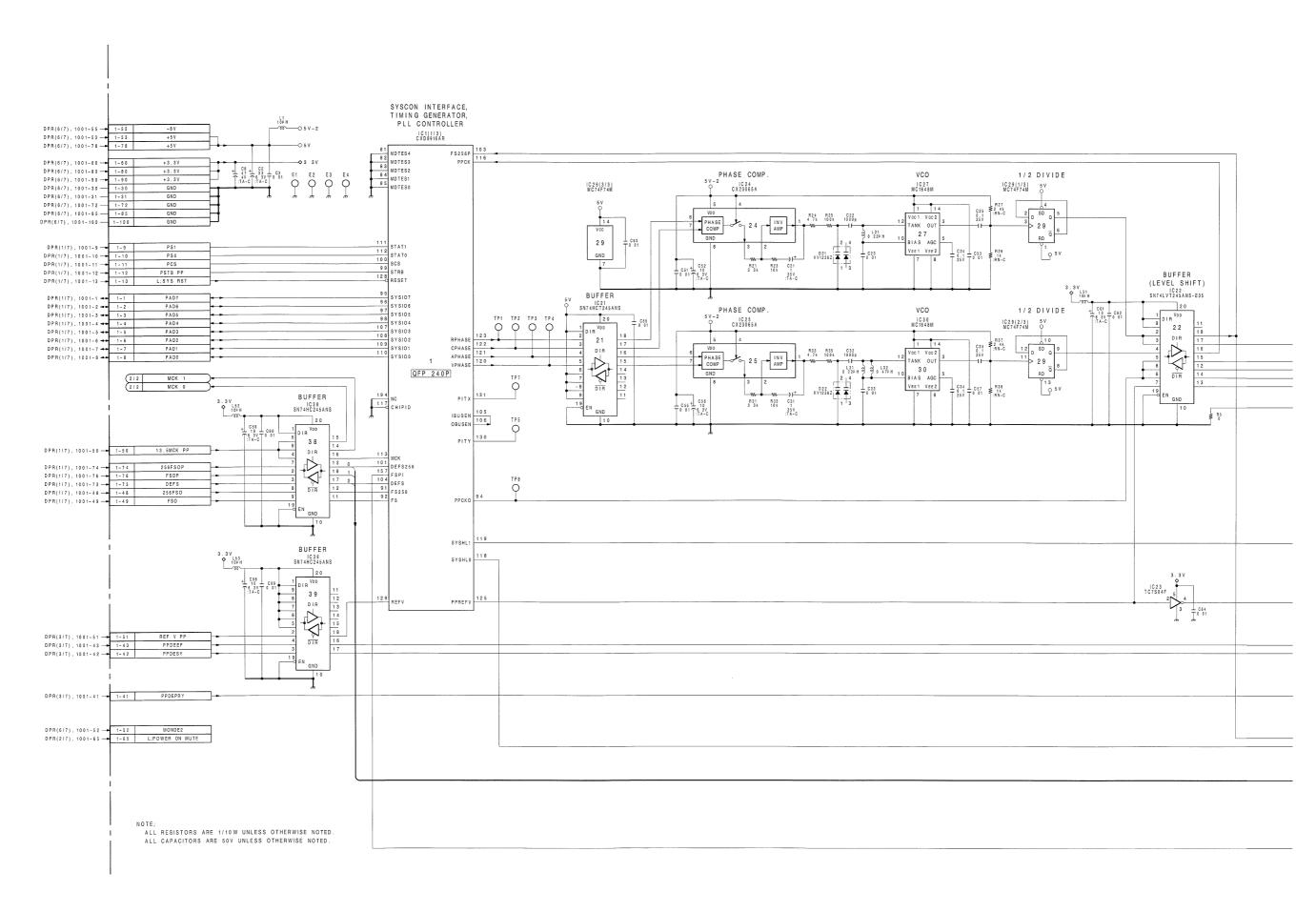
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2-4

DVW-A500/500

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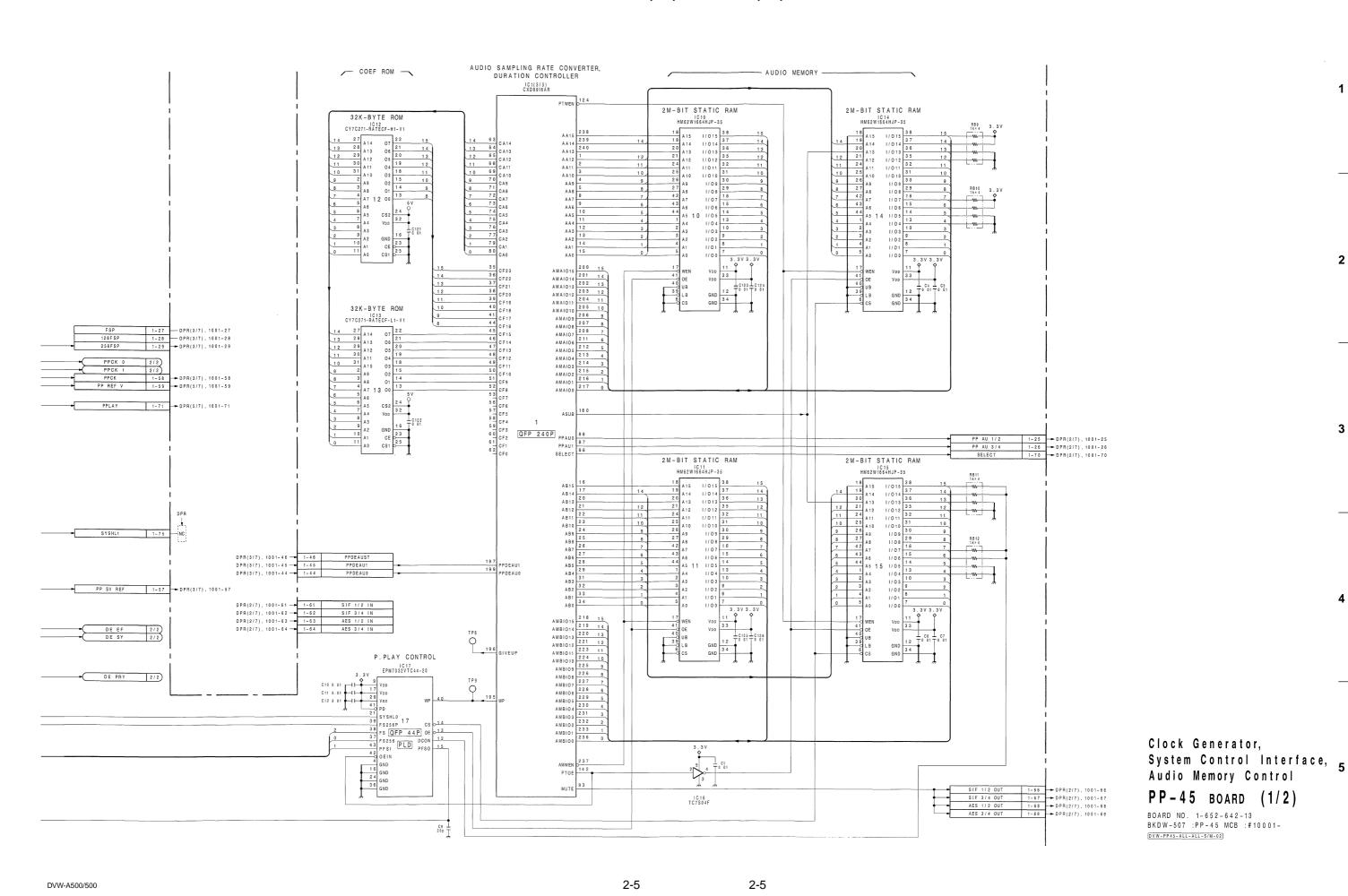
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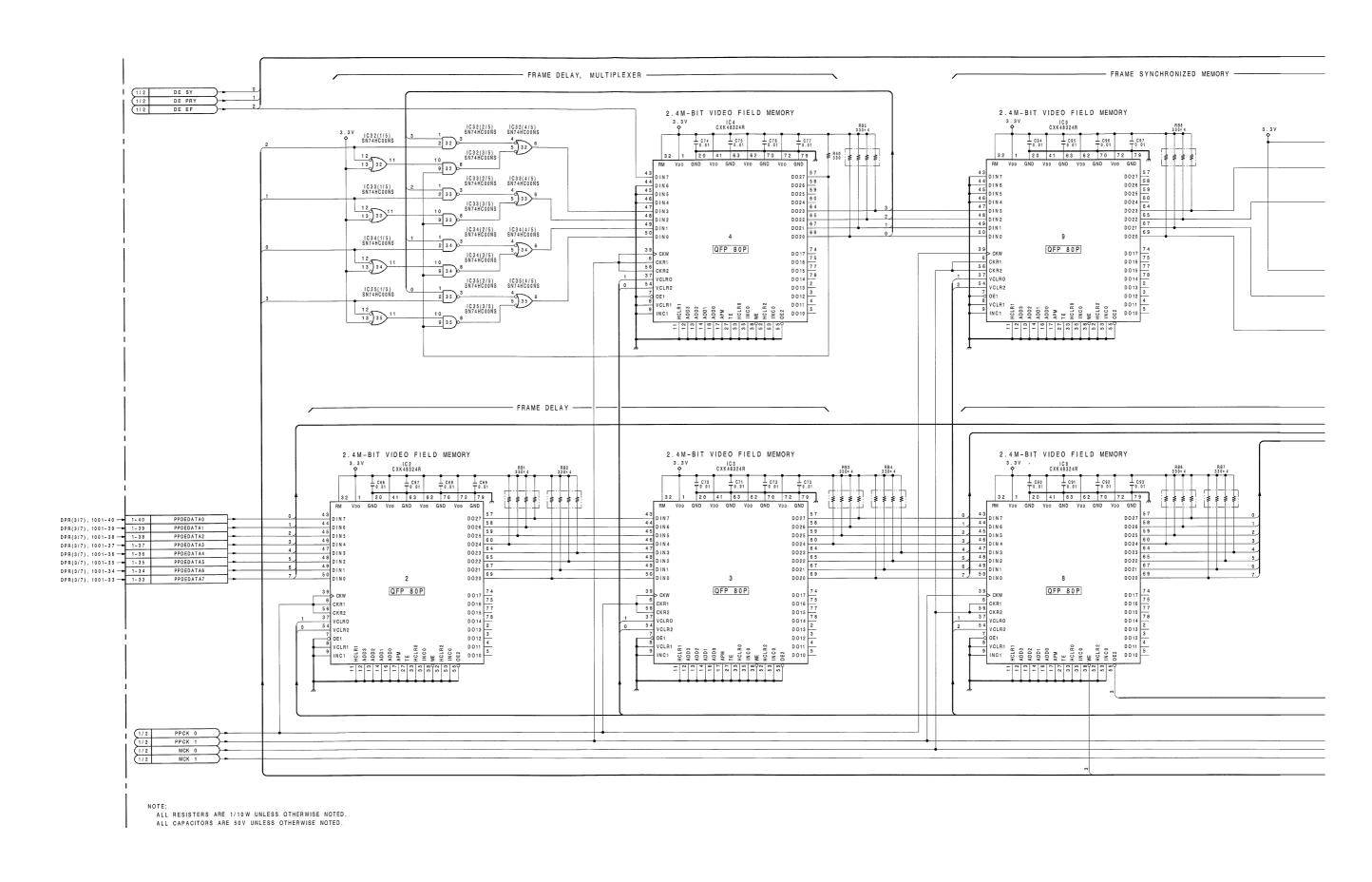
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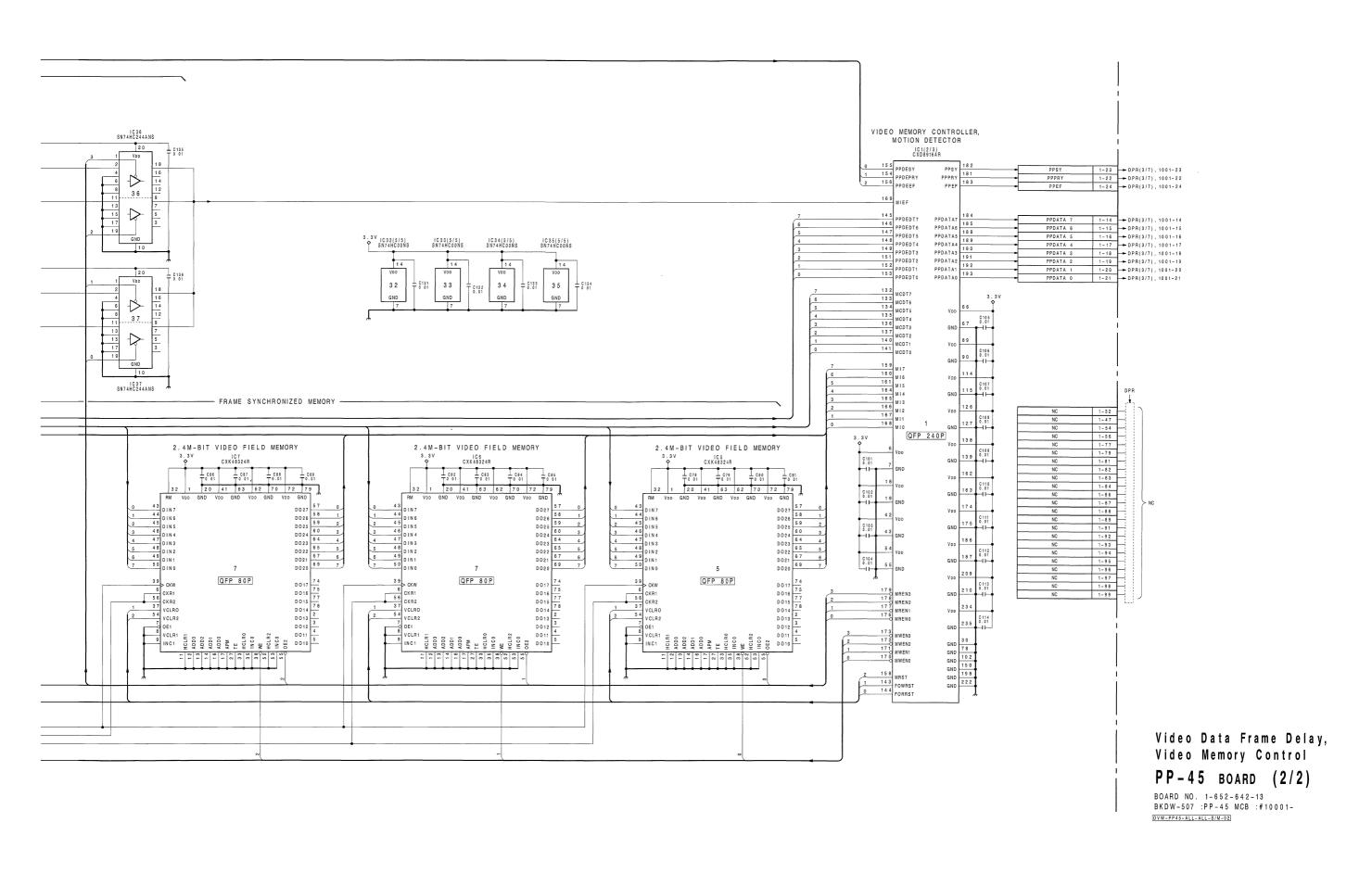
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В





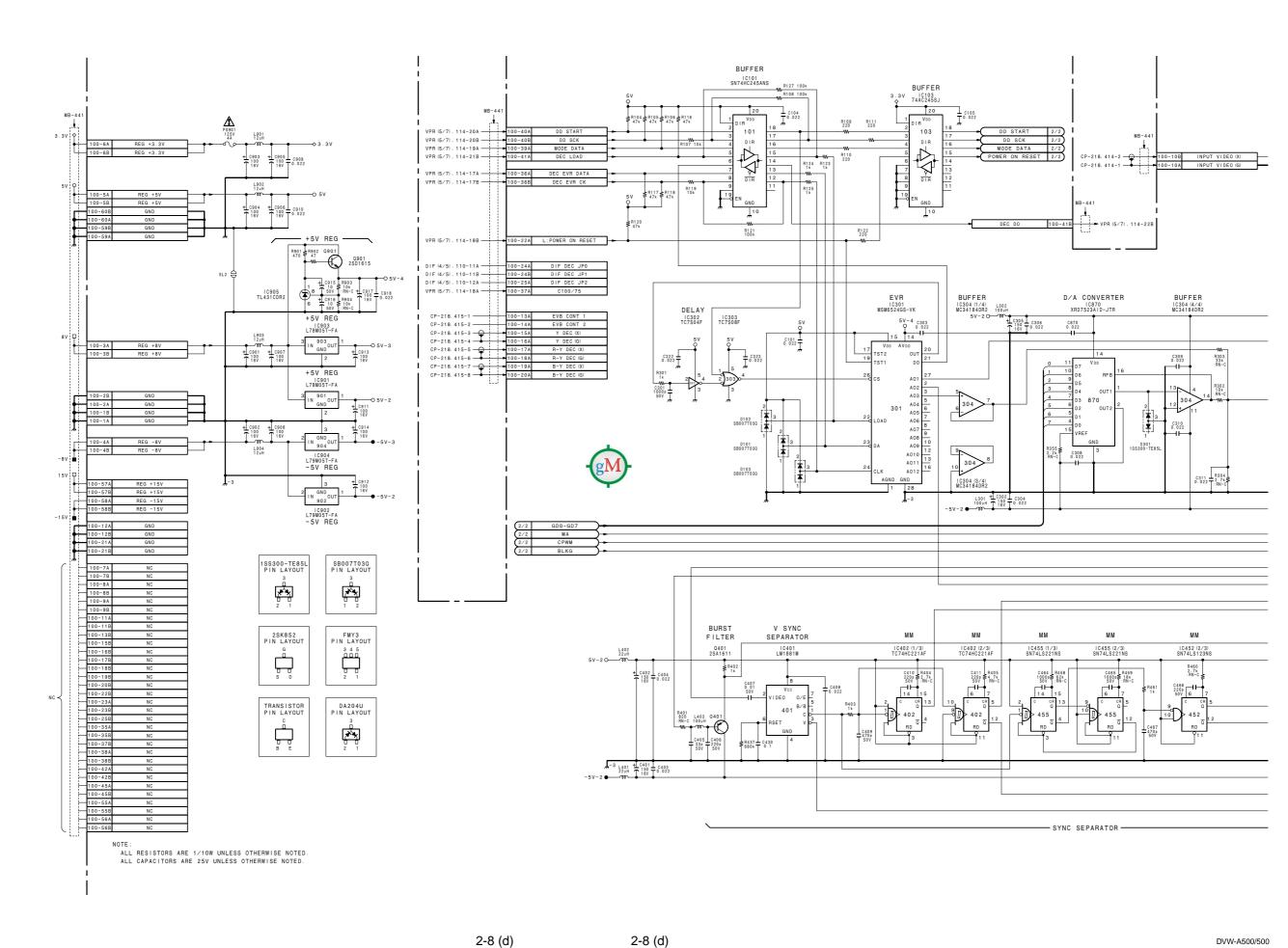
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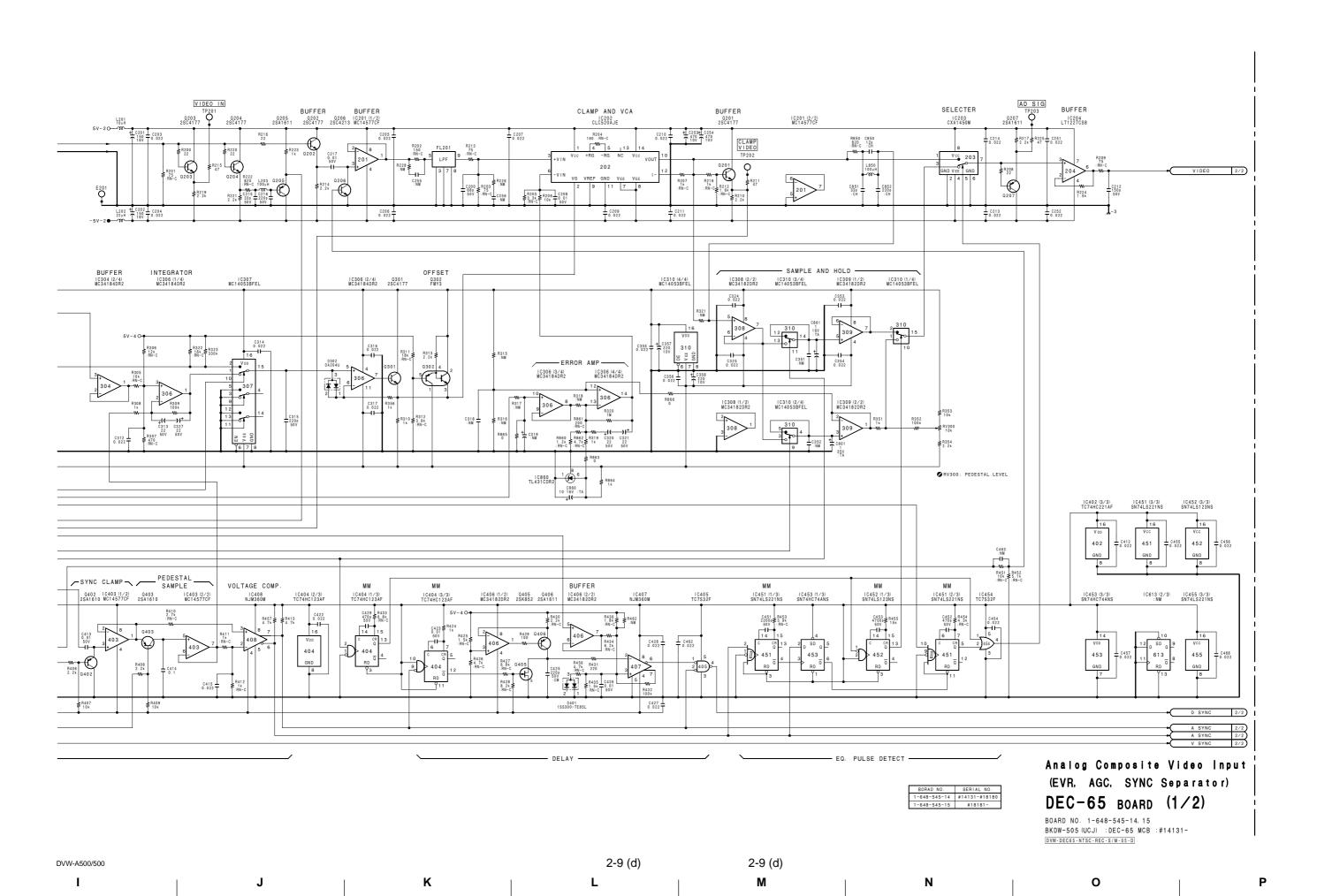
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B C D F G H

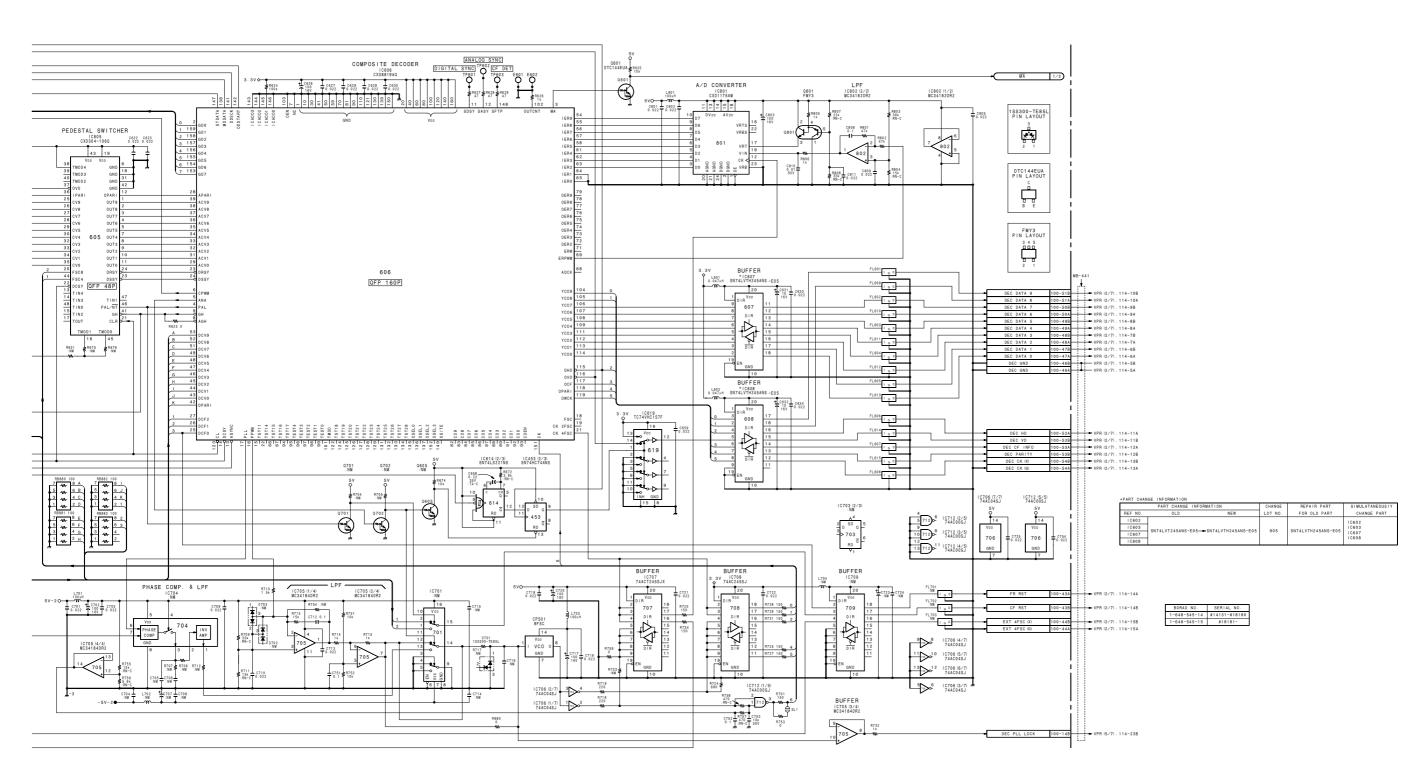


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602 DIR DIP 28P QFP 160P 1 DIR V50
9 603
8 DIR
7 6
5 4
3 2
19 EN GND Q603 :NM 1 DIR VOD 503 DIR DIR NOTE: ALL RESISTORS ARE 1/10W UNLESS OTHERWISE NOTED. ALL CAPACITORS ARE 25V UNLESS OTHERWISE NOTED.

2-10 (d) 2-10 (d) DVW-A500/500 F G H

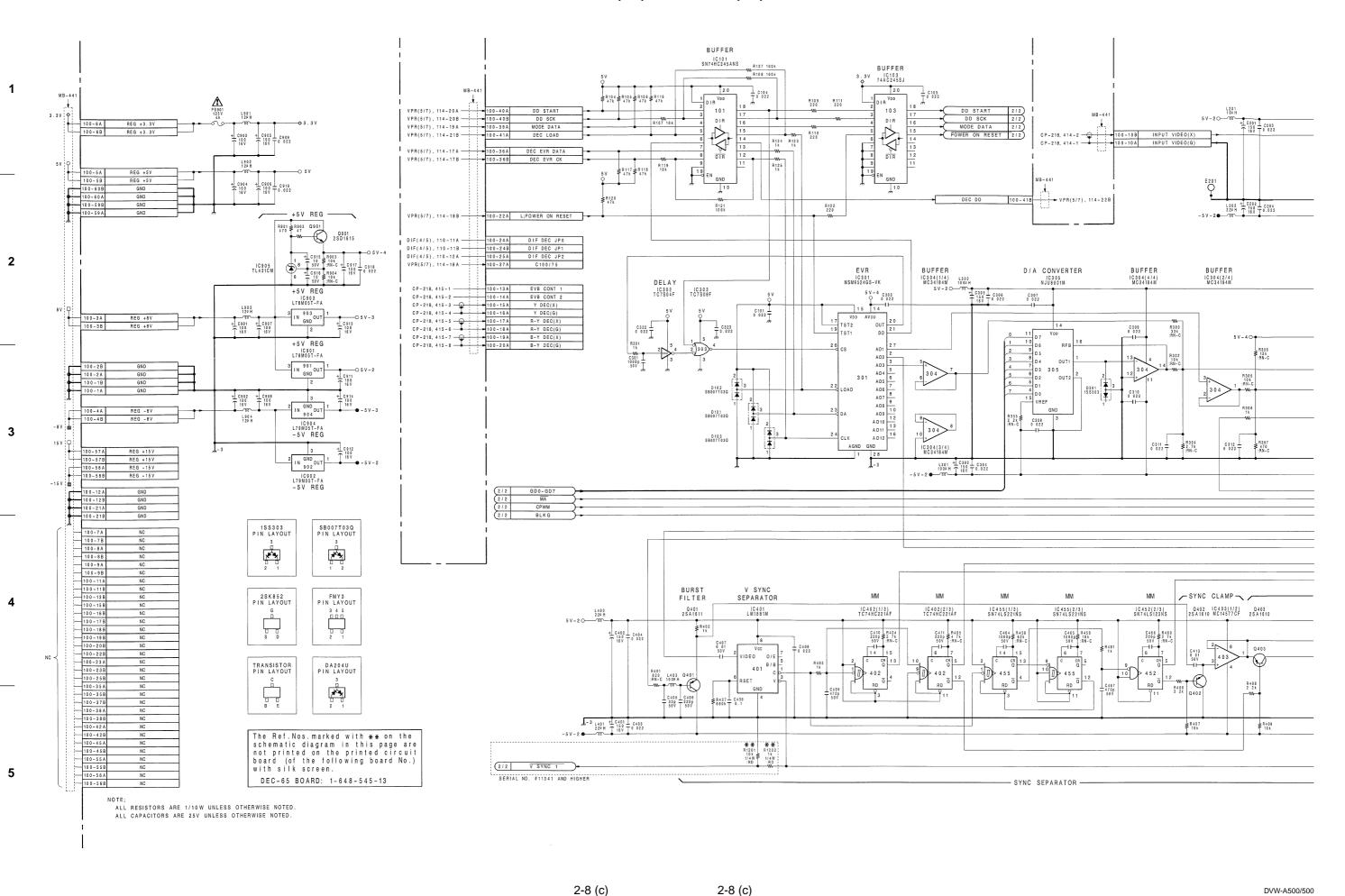
В



Analog Composite Video Input (EVR, AGC, SYNC Separator)

DEC-65 BOARD (2/2)

BOARD NO. 1-648-545-14, 15 BKDW-505 (UCJ) :DEC-65 MCB :#14131-DVW-DEC65-NTSC-REC-S/M-05-D

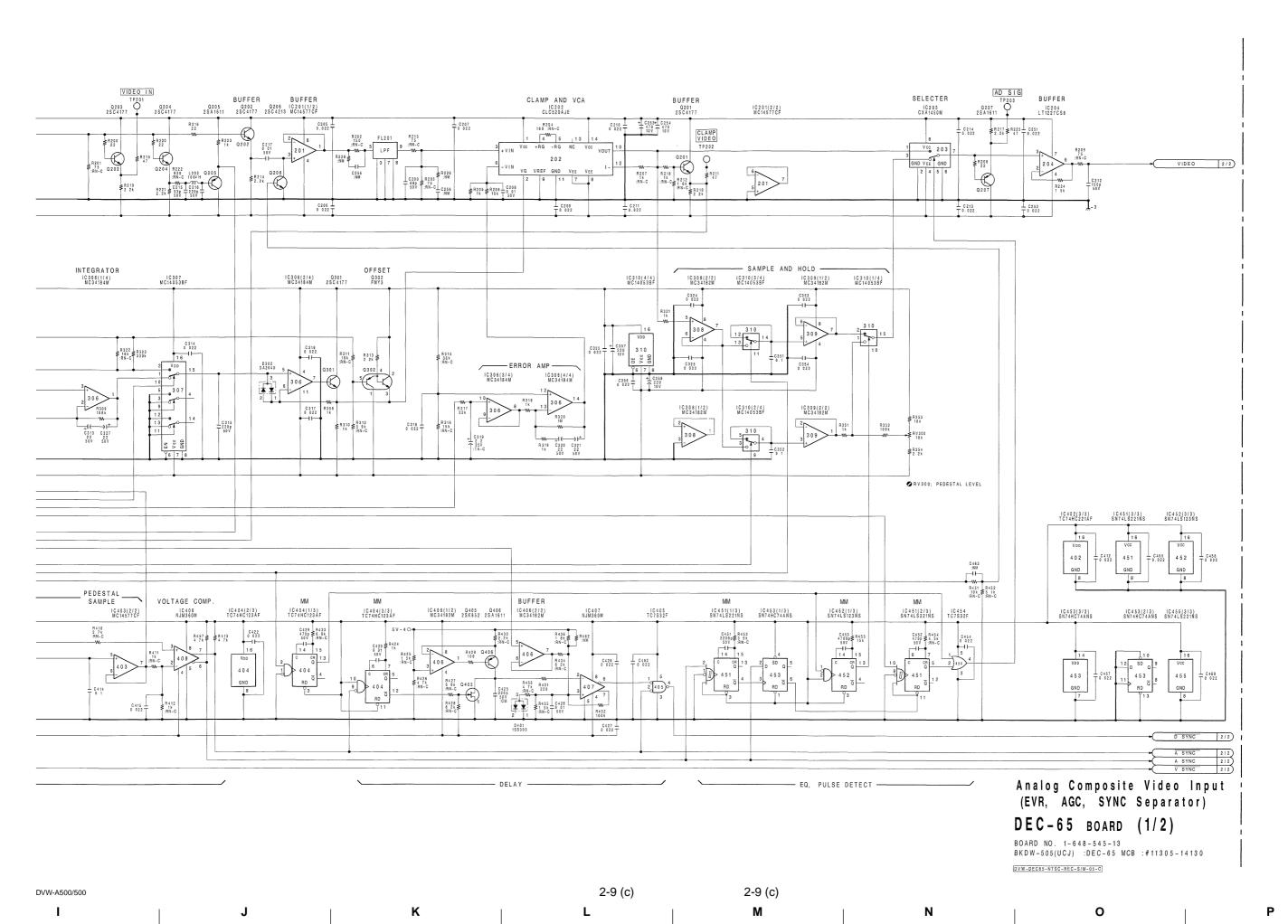


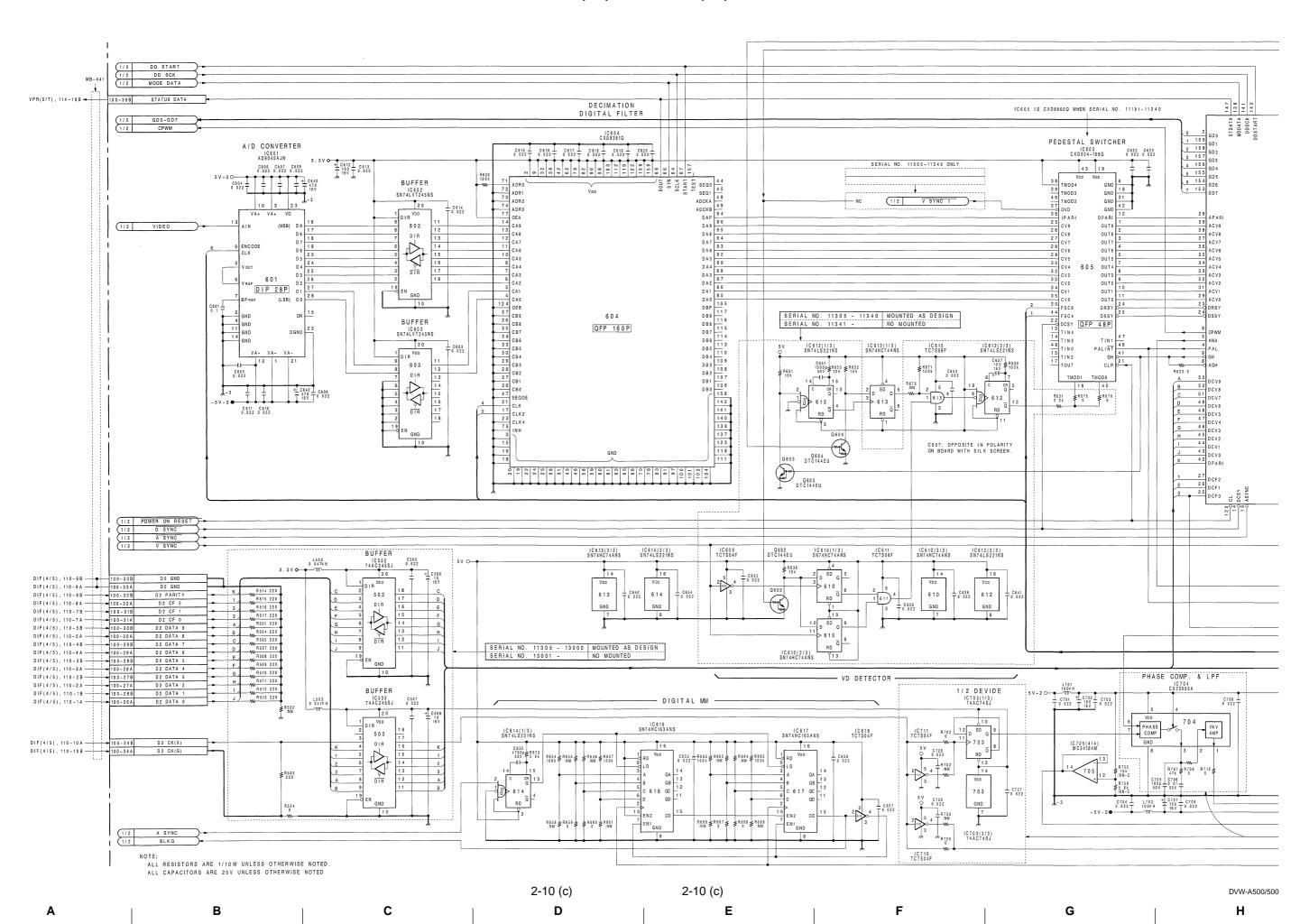
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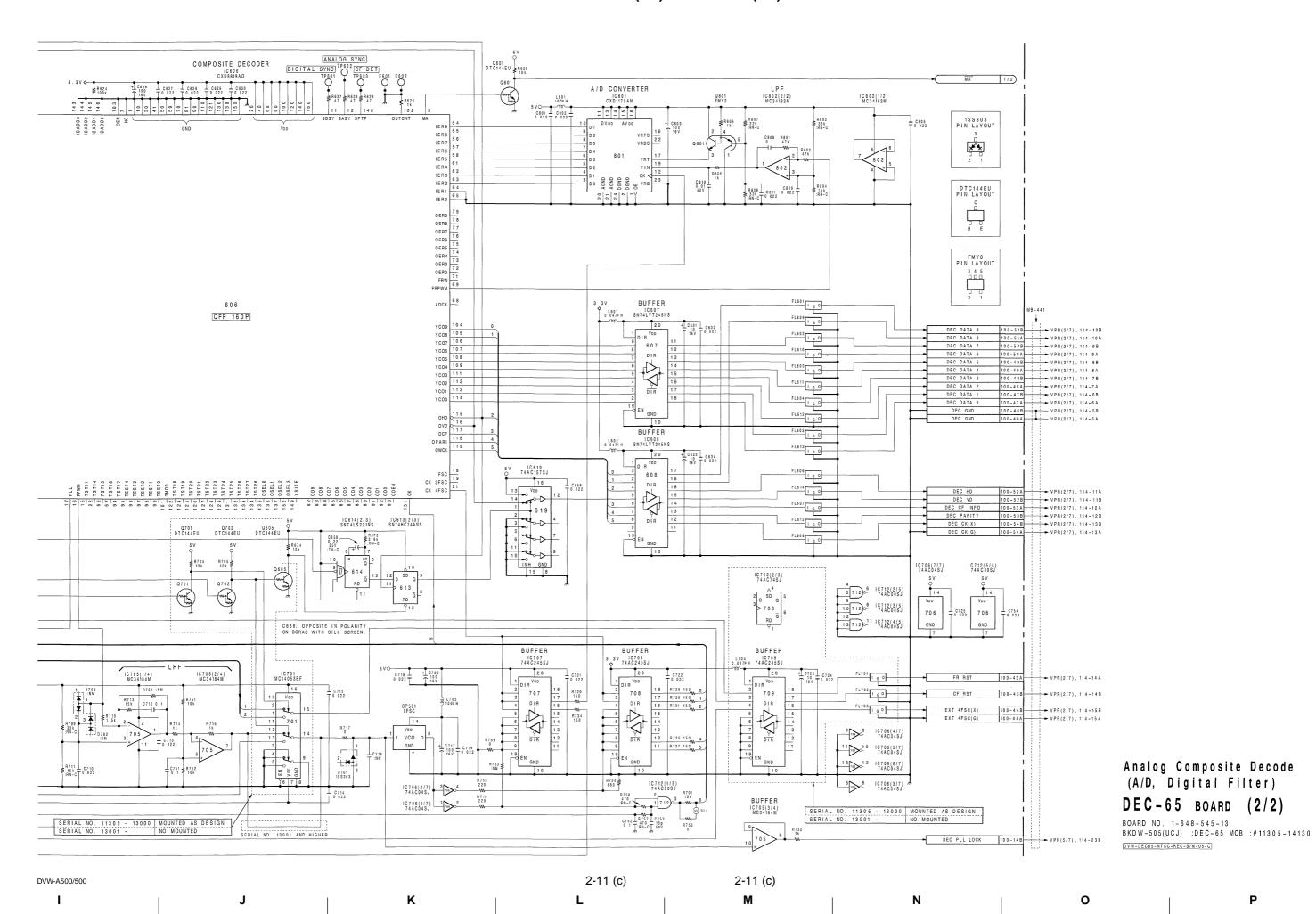
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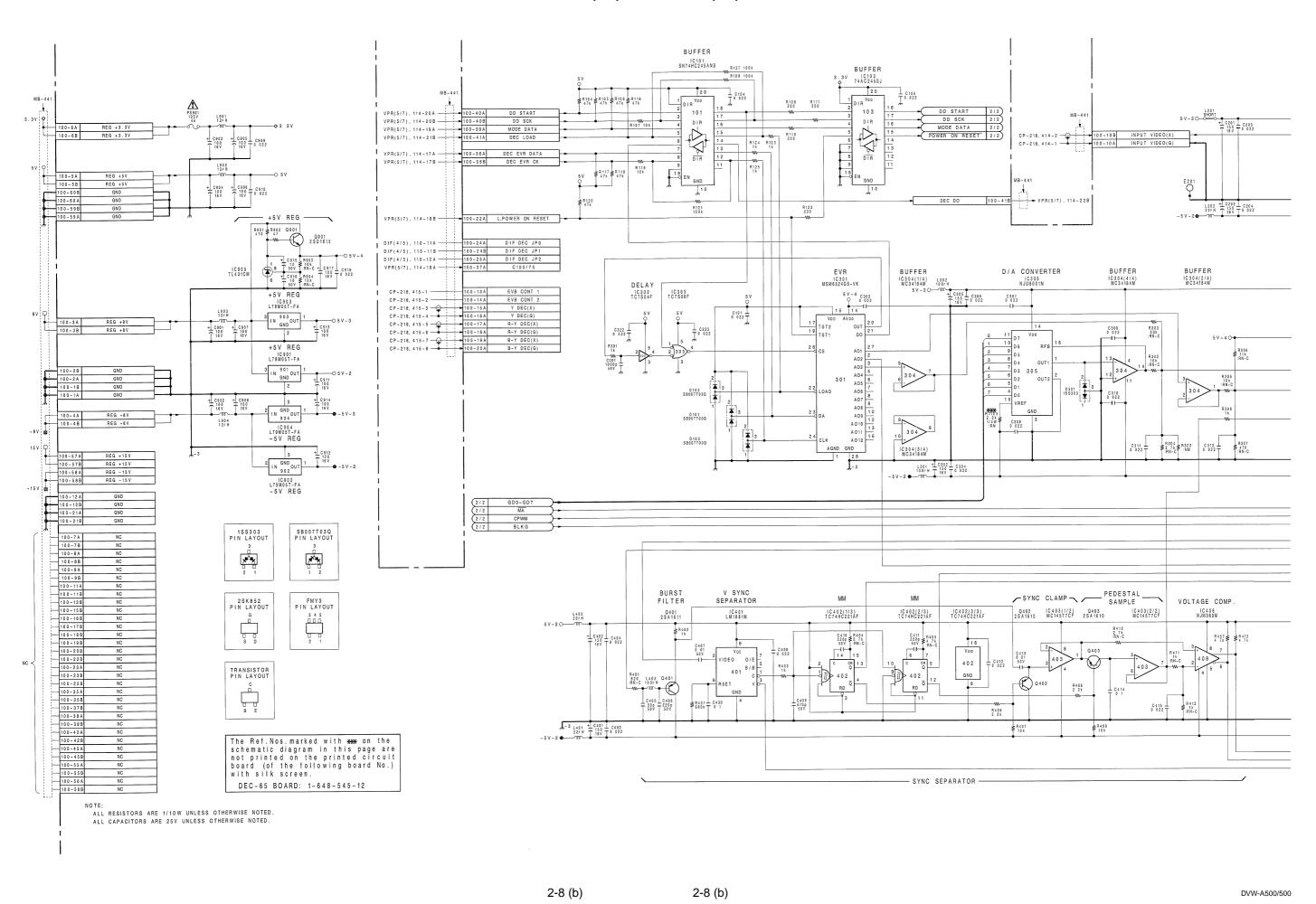


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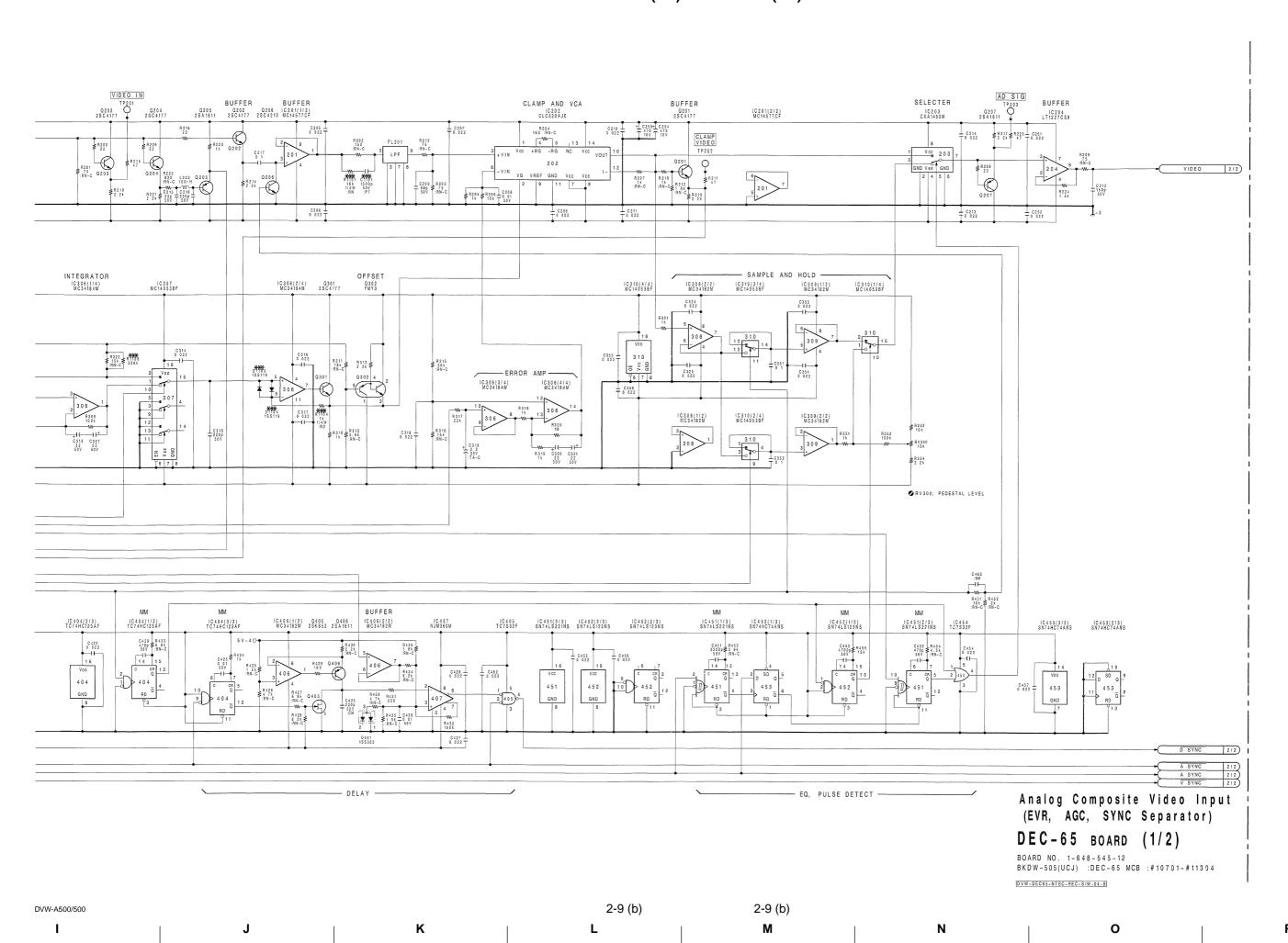
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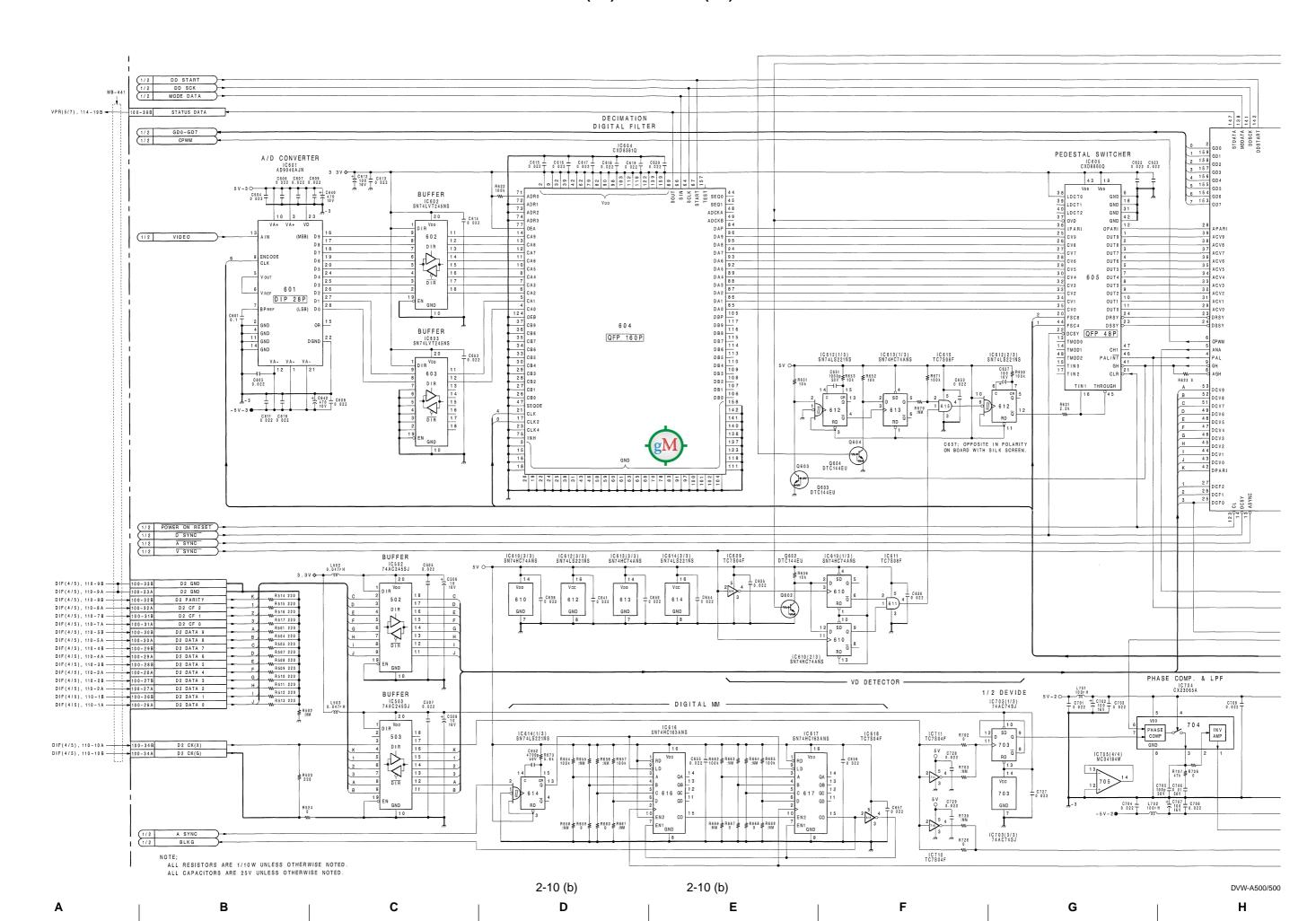


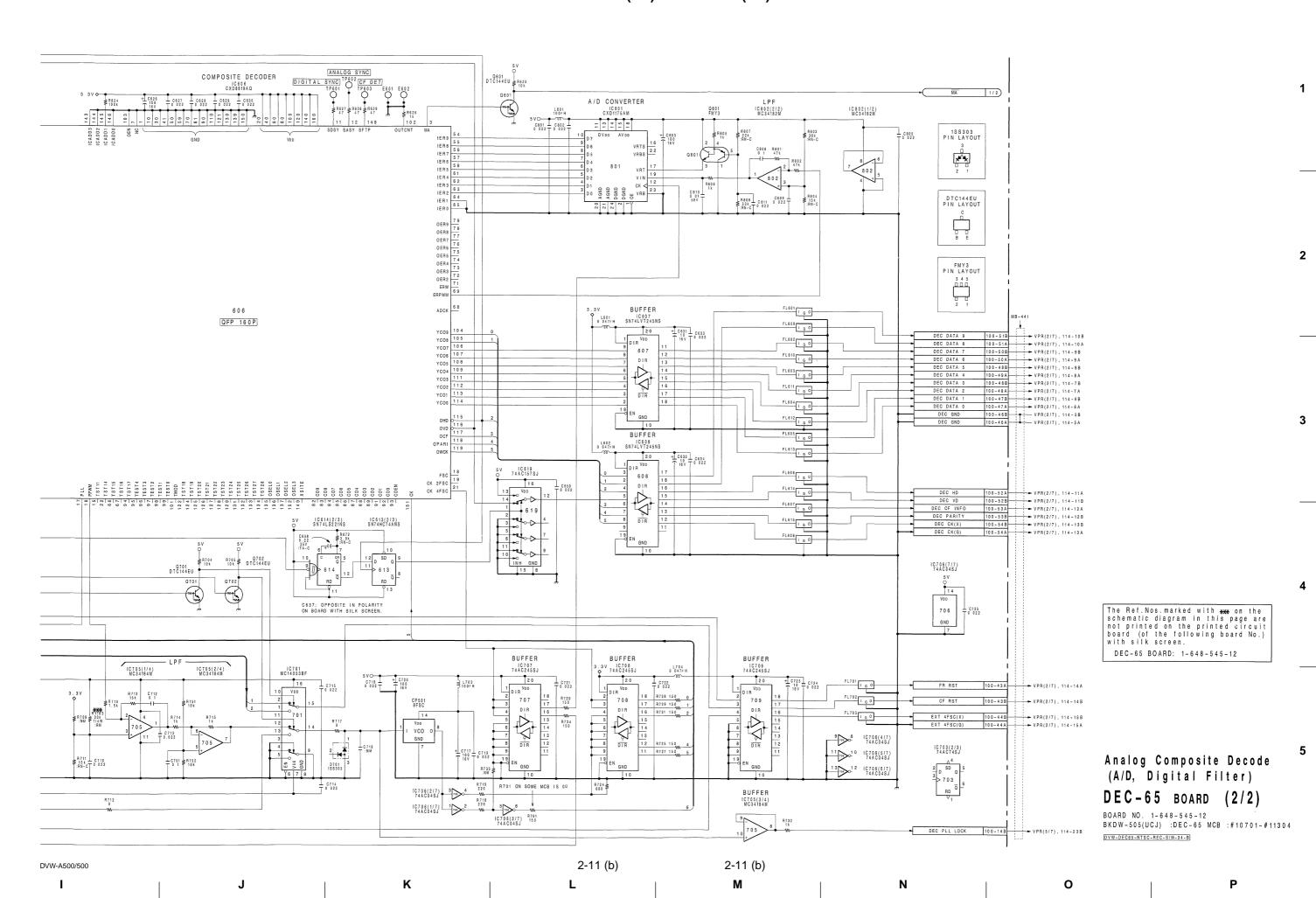
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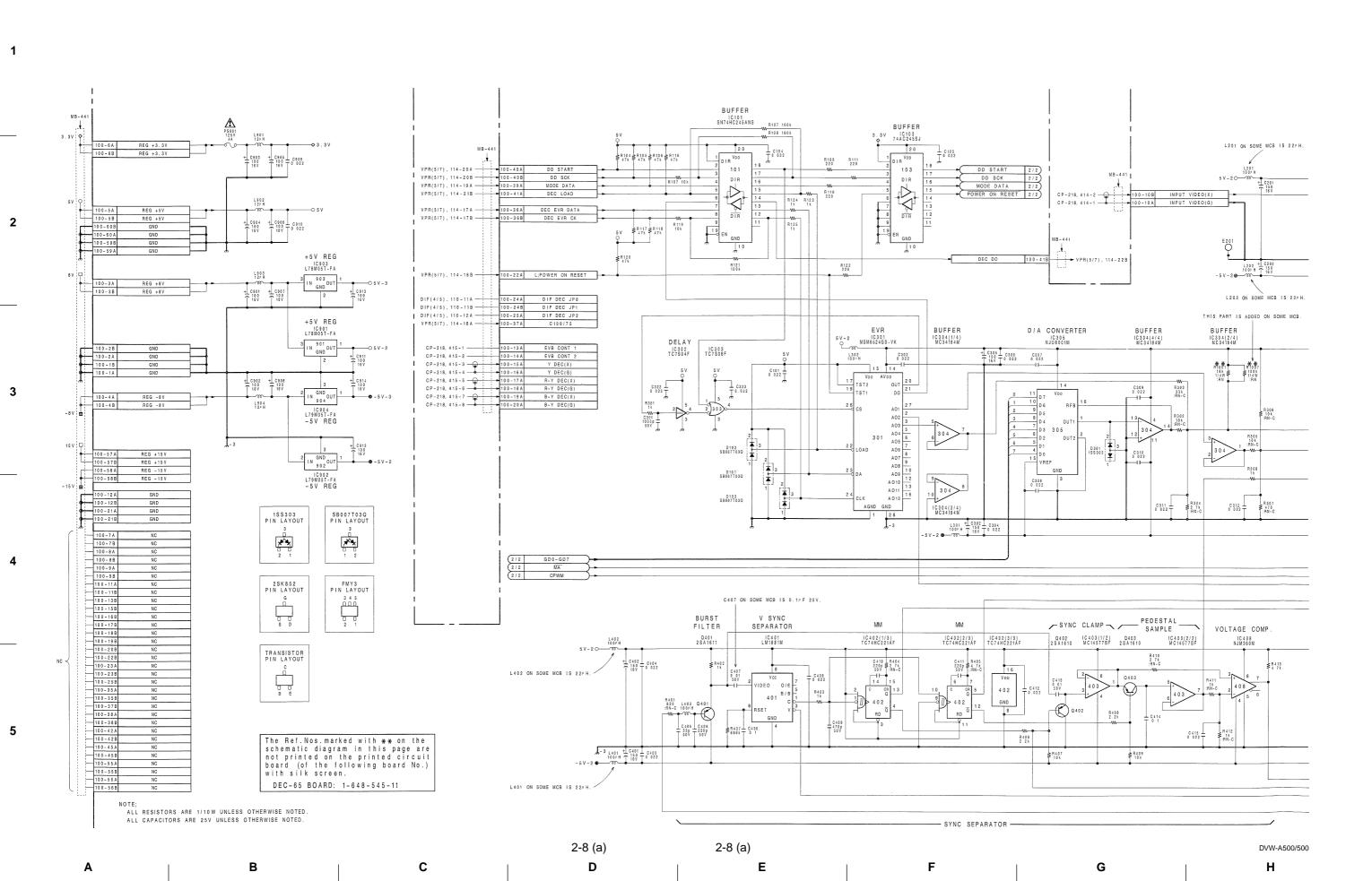
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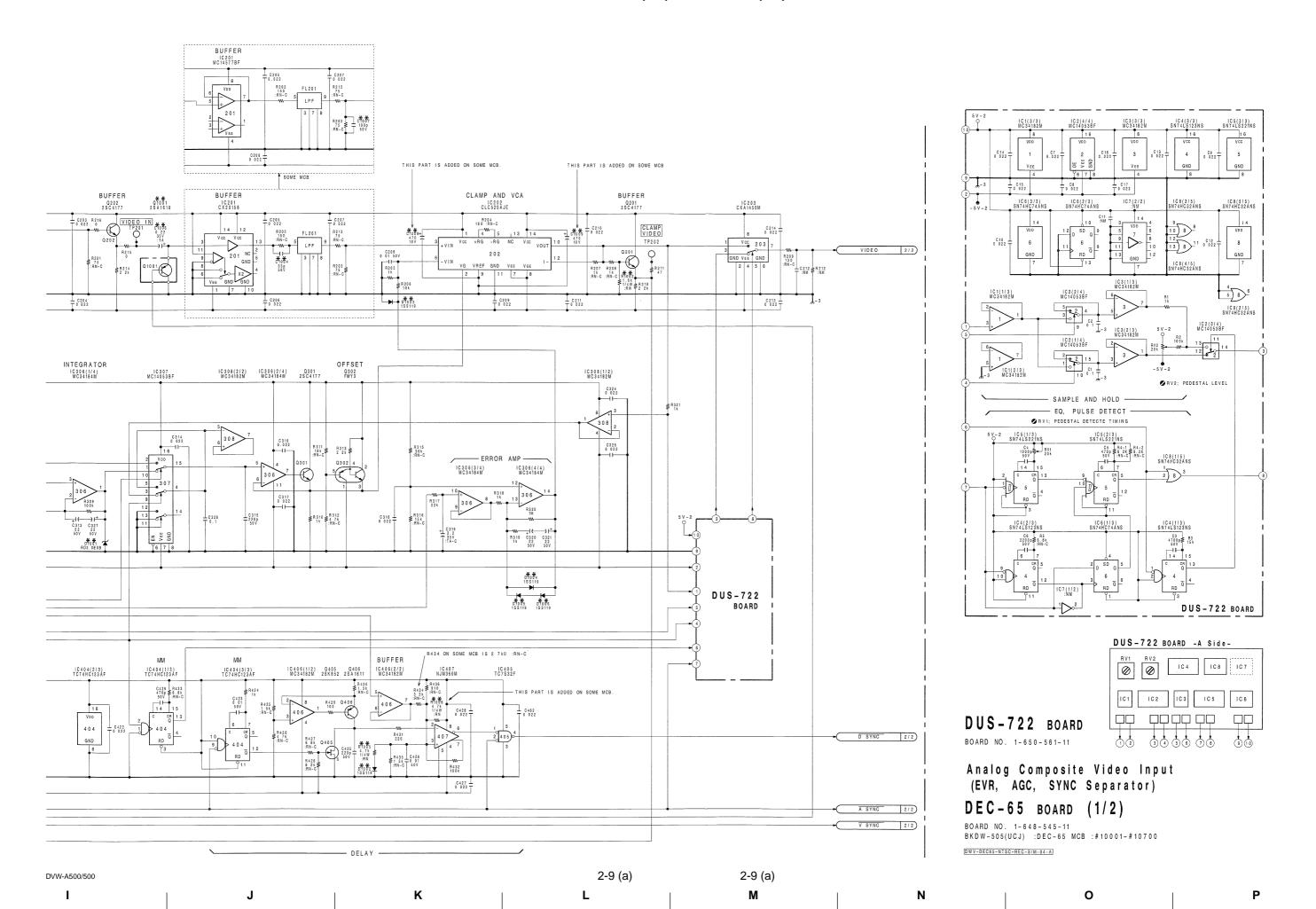
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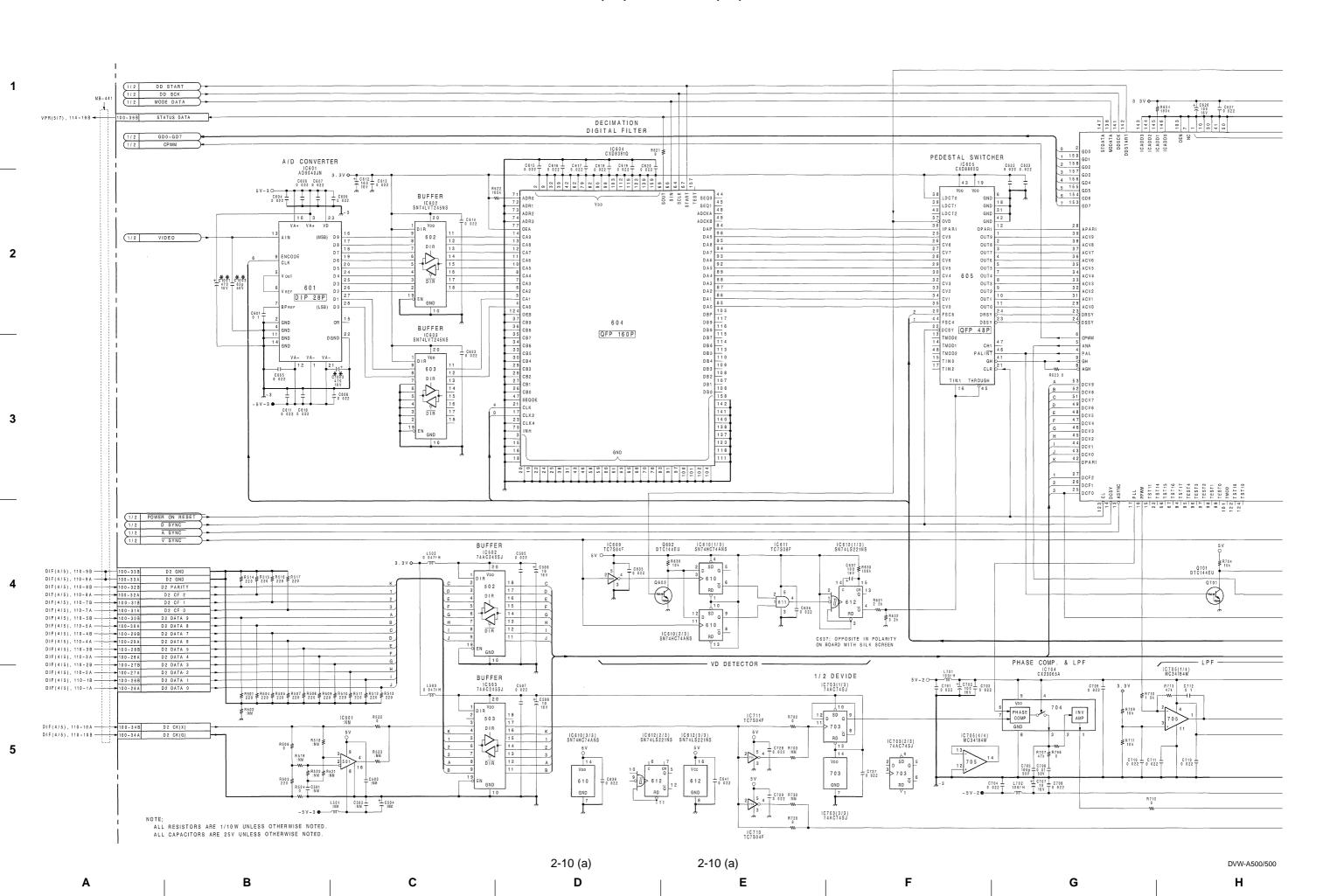


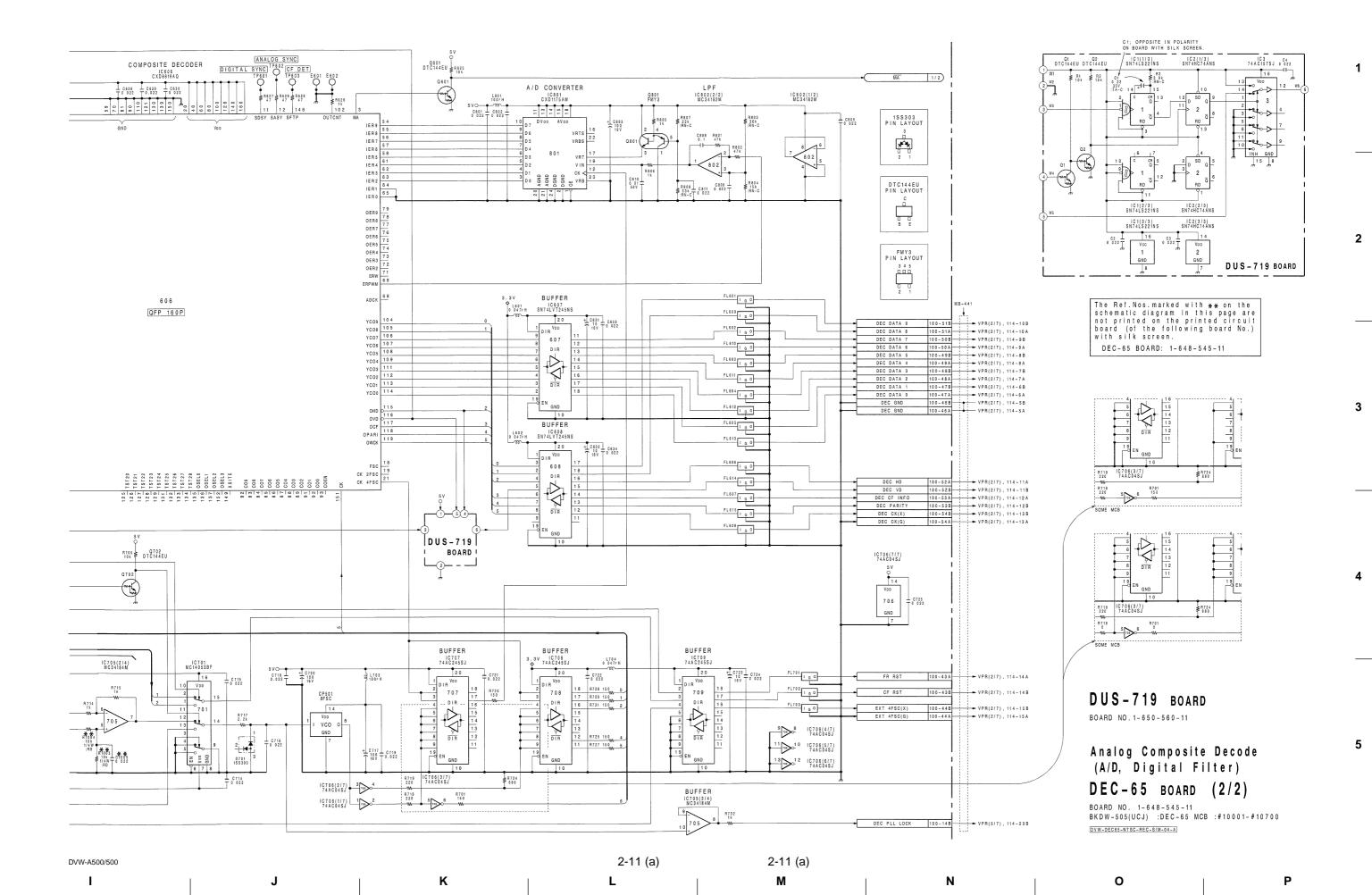












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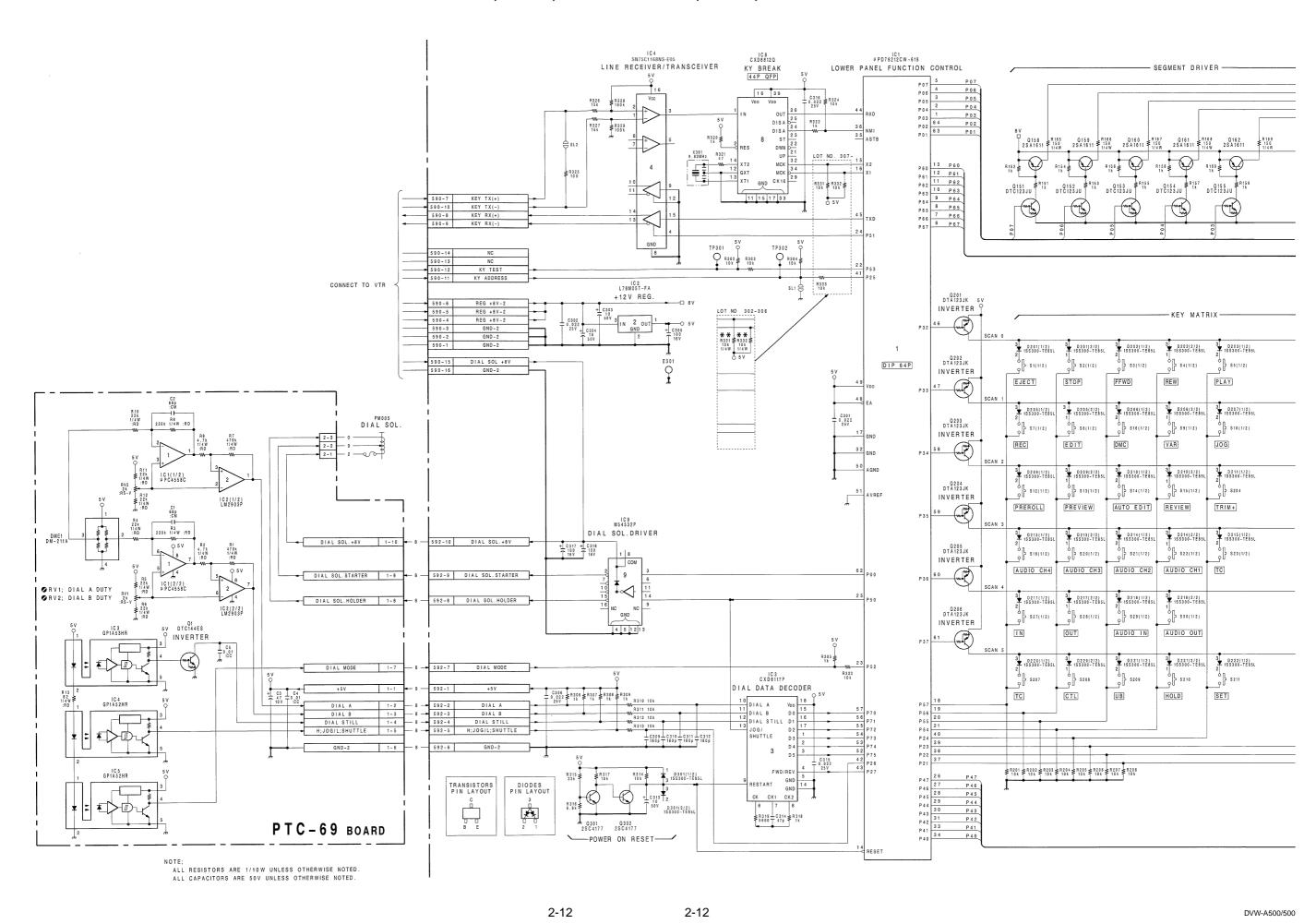
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В

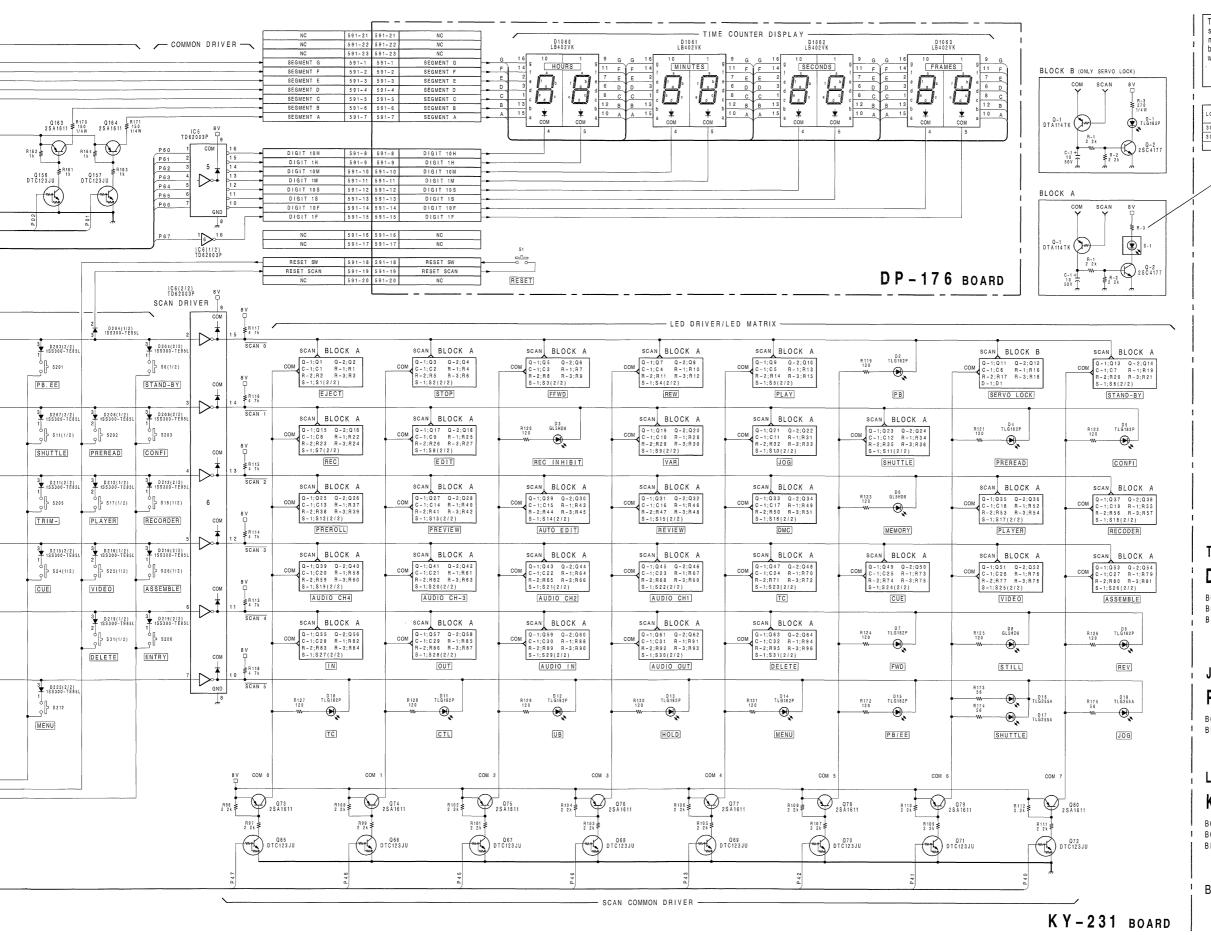
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DVW-A500/500

2-13

M

The Ref. Nos. marked with ** on the schematic diagram in this page are not printed on the printed circuit board (of the following board No.) with silk screen.

KY-231 BOARD : 1-648-546-11

LOT NO	BOAR	D NO.
LOT NO.	KY-231	DP-176
302-306	1-648-546-11	1-648-547-11
307-402	1-648-546-12	1-648-547-12
403-	1-648-546-13	1-648-547-12

REF NO.	LUI	LUI NU.				
MEF NU.	302-402	403-				
R3, 6	120	270 1/4W				
R9, 12,	120	330 1/4W				
R15, 21	120	330 1/4W				
R 2 4	220 1/4W	270 1/4W				
R 2 7	120	330 1/4W				
R30, 33,	180 1/4W	390 1/4W				
R36	100 1/4W	390 1/4W				
R39, 42	120	330 1/4W				
R 4 5	220 1/4W	270 1/4W				
R 4 8	120	330 1/4W				
R51, 54,						
R 57, 60,						
R63, 66,						
R69, 72,	180 1/4W					
R75, 78,	180 1/4W	390 1/4W				
R81, 84,						
R87, 90,						
R93, 96						

Time Counter Display
DP-176 BOARD

BOARD NO. 1-648-547-12 BOARD'S LOT NO. 501-BKDW-514 :DP-176 MCB

Jog/Shuttle Dial Sensor PTC-69 BOARD

BOARD NO. 1-648-568-12 BKDW-514 :PTC-69 MCB

Lower Panel Control
KY-231 BOARD

BOARD NO. 1-648-546-13 BOARD'S LOT NO. 501-BKDW-514 :KY-231 MCB

BKDW-514 : #10001-

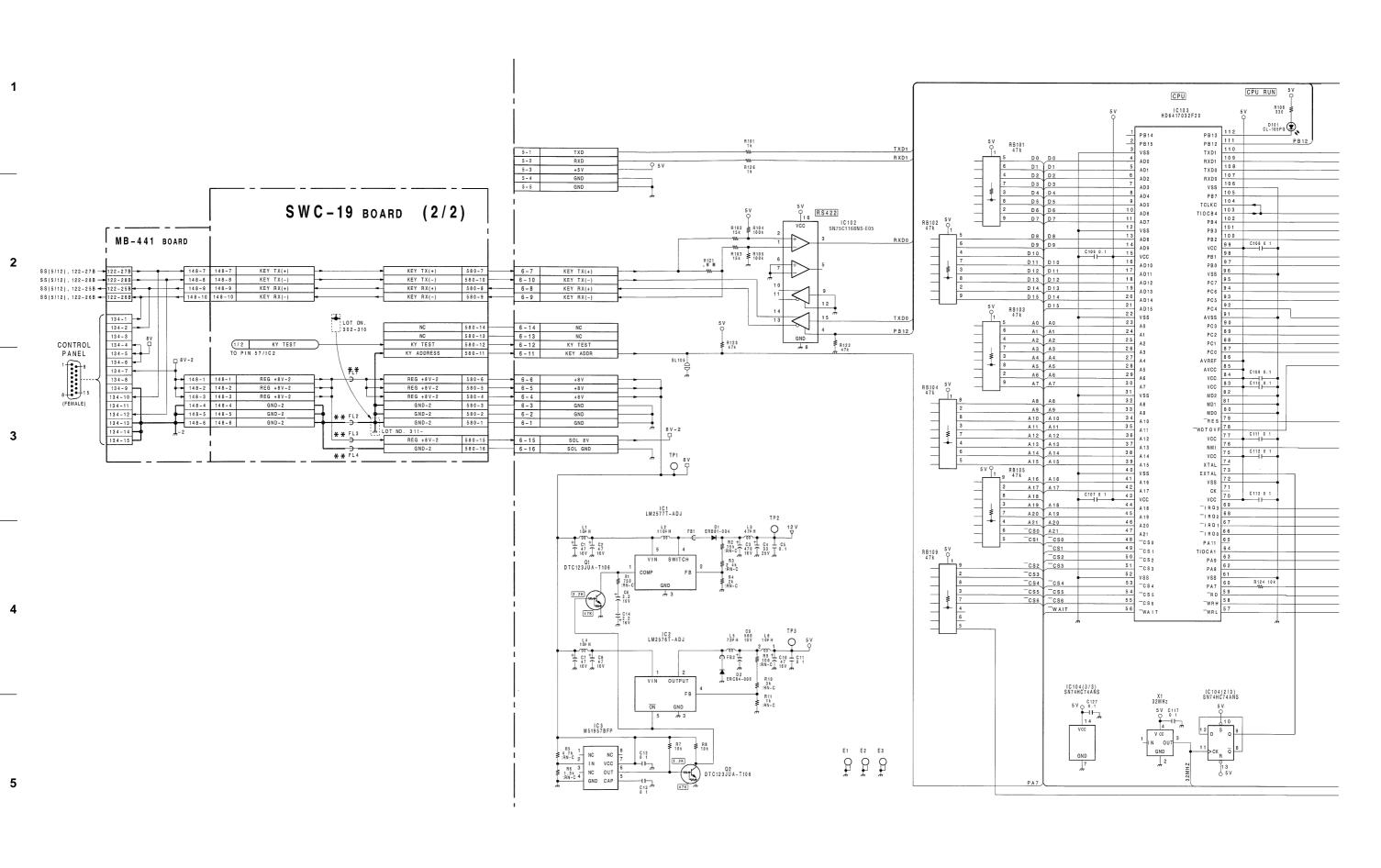
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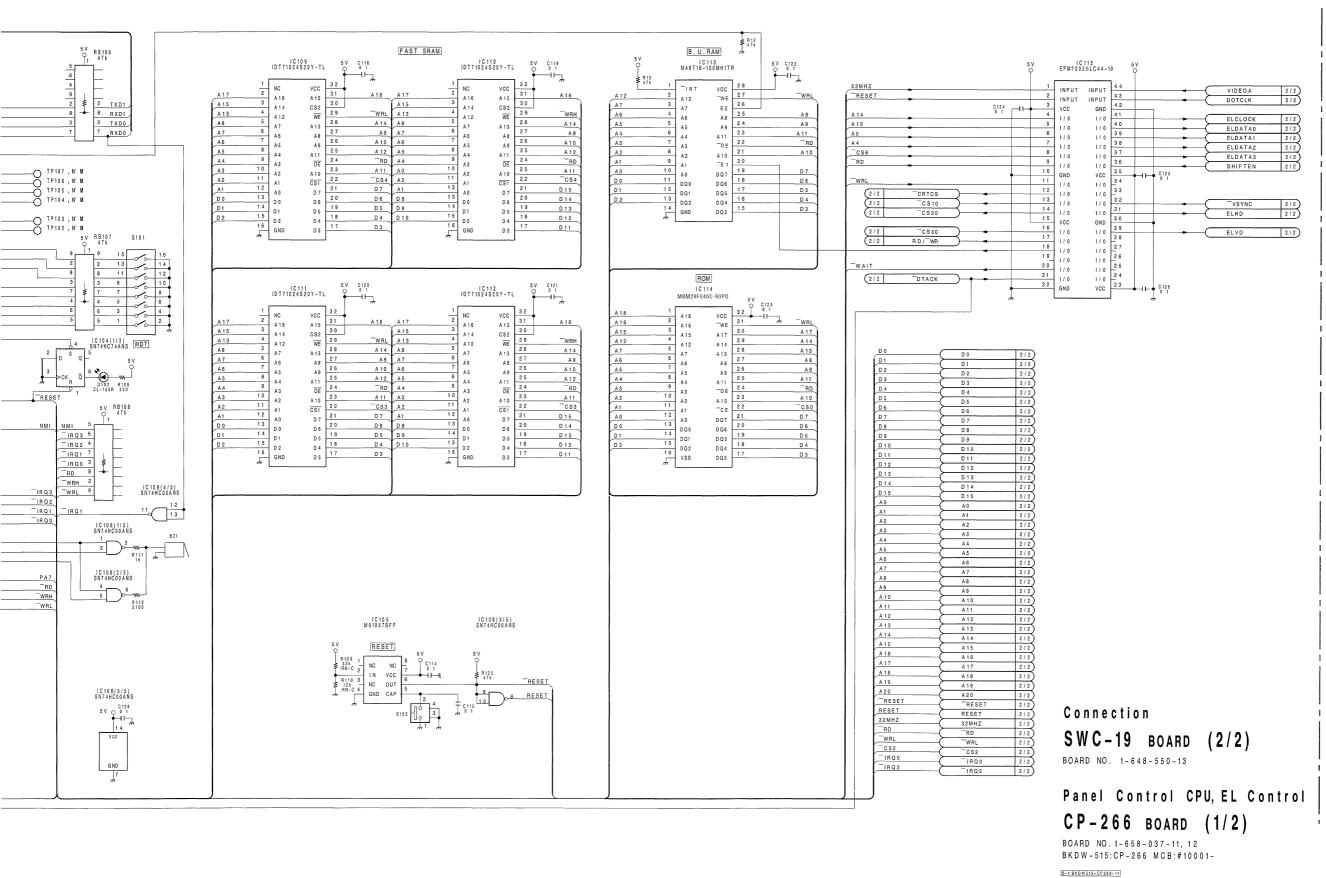
BKDW 514-S/M-03

BKUW514-5/M-U

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Ν





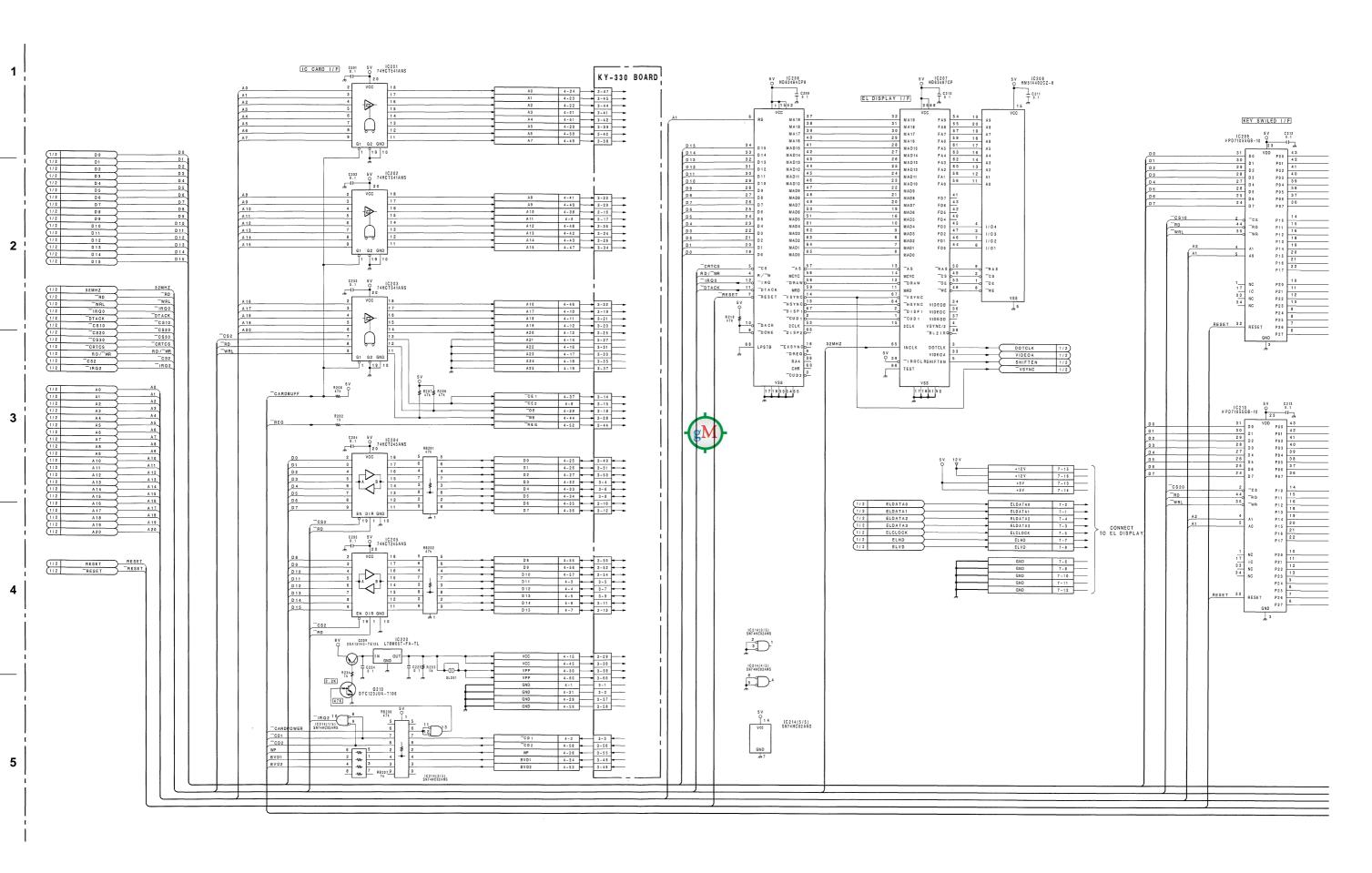
Ν

DVW-A500/500

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2-15

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DVW-A500/500

В

С

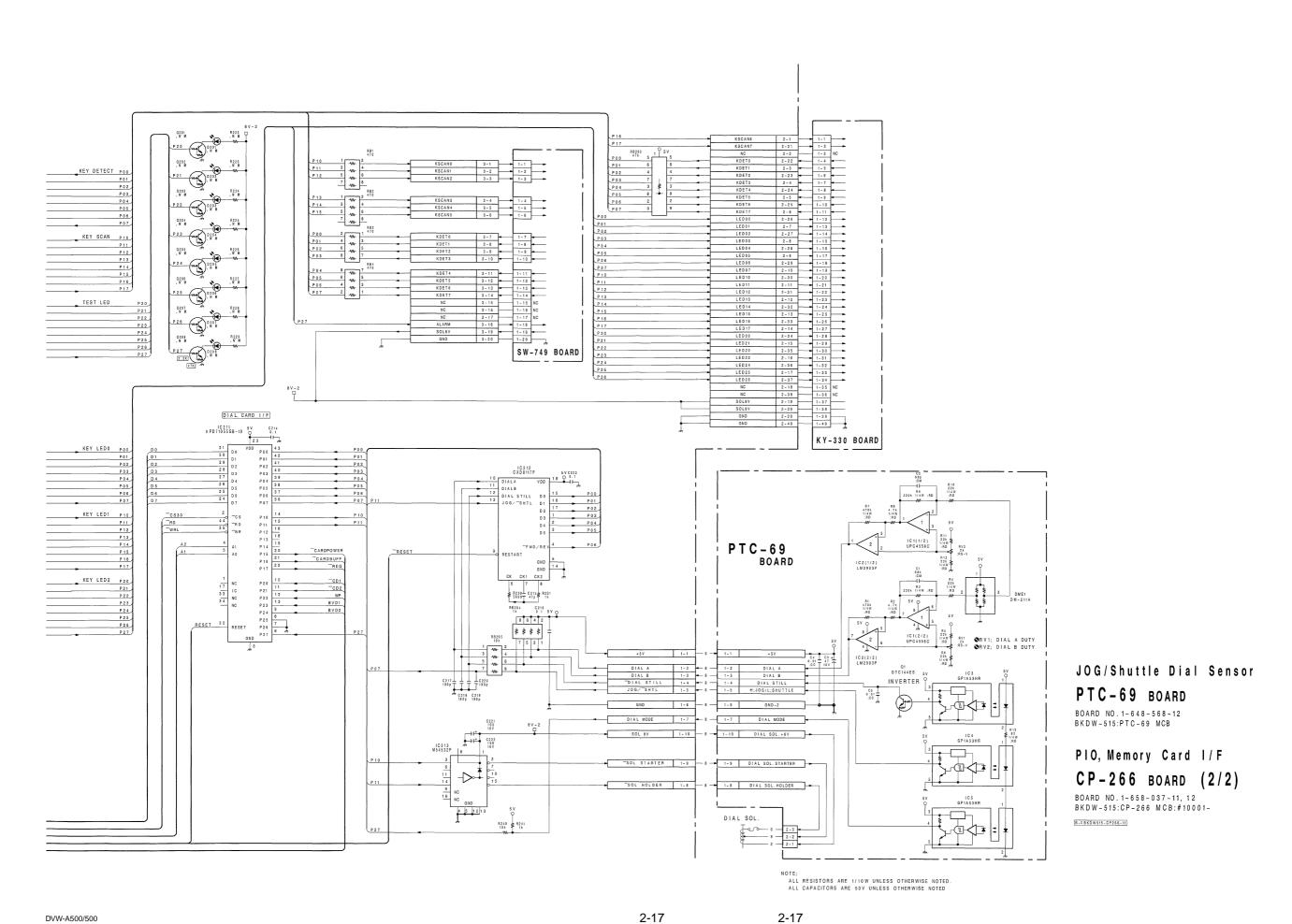
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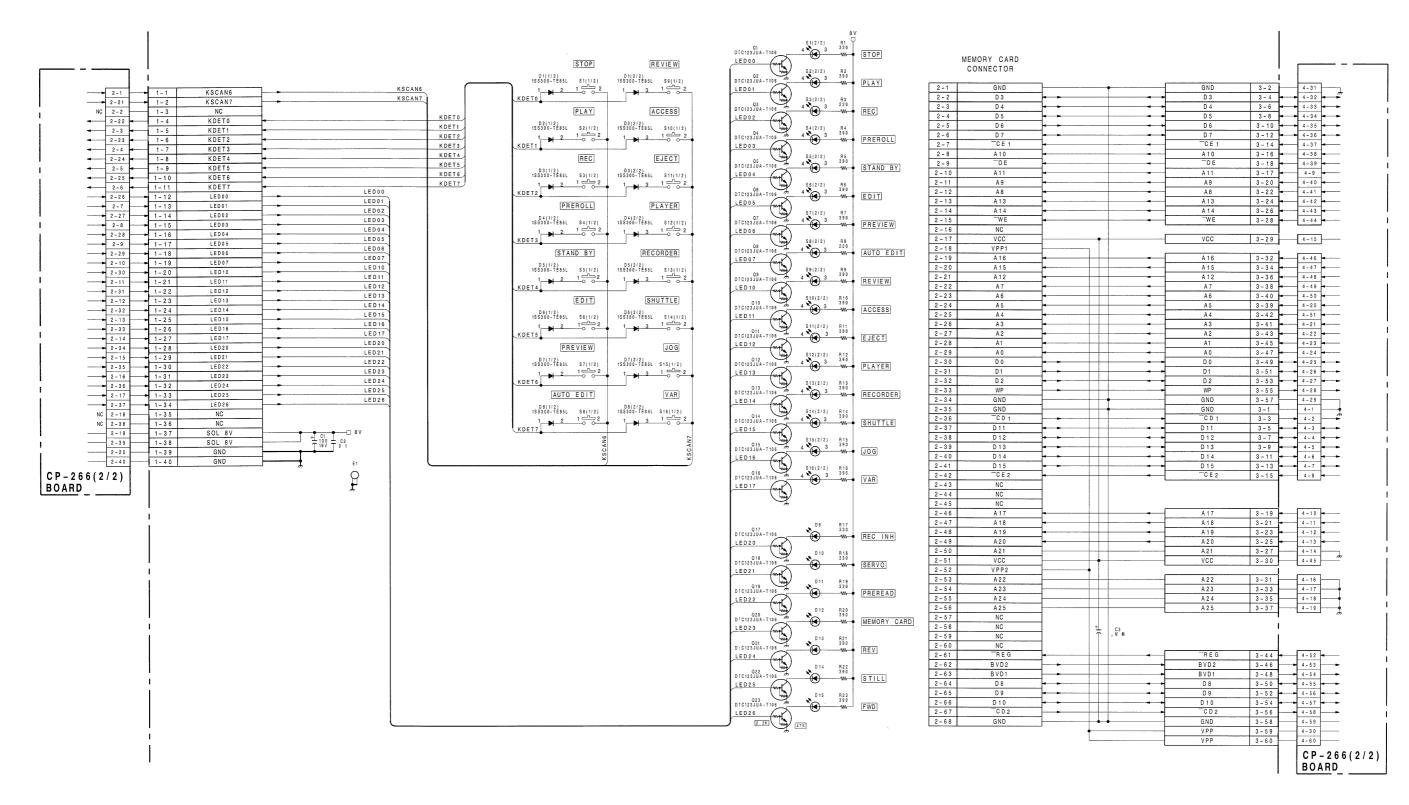
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Editing Operation/Tape Transport Control, Memory Card Connector

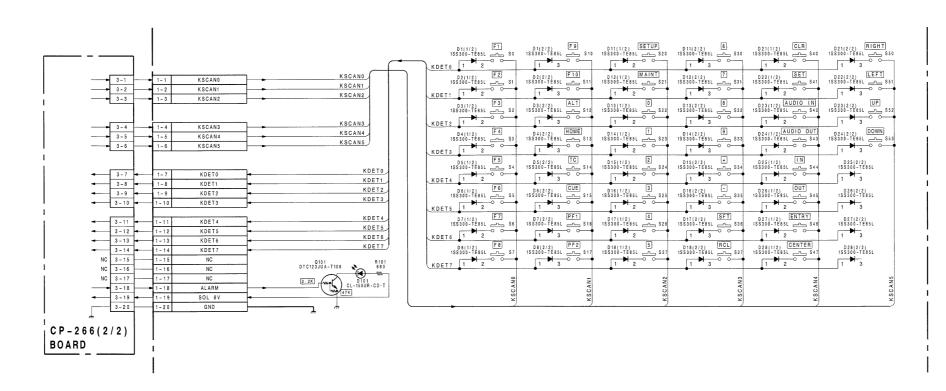
KY-330 BOARD

BOARD NO.1-658-036-11 BKDW-515:KY-330 MCB:#10001-

B-F BKDW515-KY330-11

2-18 2-18 DVW-A500/500

A B C D E F G H



Function Control

SW-749 BOARD

BOARD NO.1-658-035-11 BKDW-515:SW-749 MCM:#10001-

B-FBKDW515-SW749-11

DVW-A500/500 2-19

A B C

D

2-19 **E**

F

Н

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SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety checks before releasing the set to the customer:

Check the metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 3.5 mA. Leakage current can be measured by any one of three methods.

- A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
- A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
- Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 5.25 V, so analog meters must have an accurate lowvoltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 20 V AC range are suitable. (See Fig. A)

